

The

CHEMIST AND DRUGGIST

Established 1859

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1715-1933



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ALLEN & HANBURY'S
LTD.,

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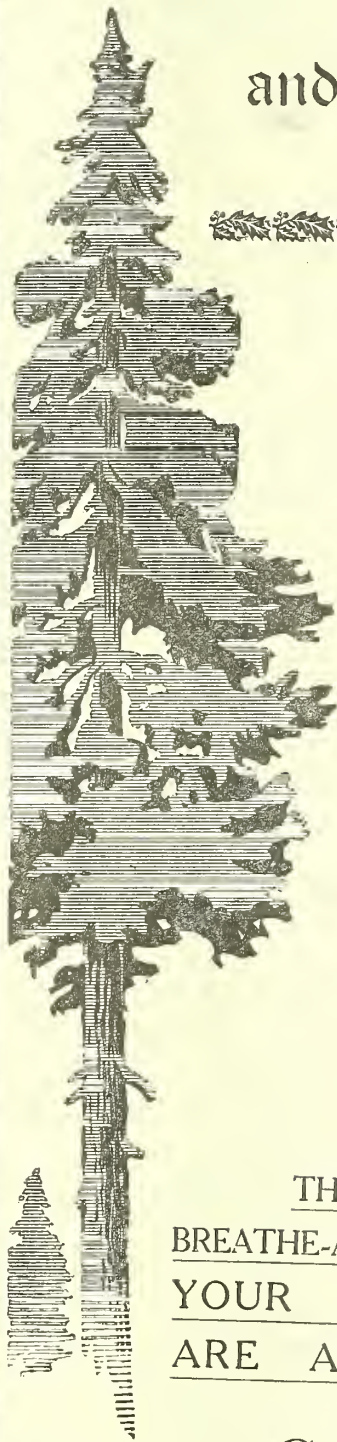
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INDEX TO ADVERTISERS

Addis, R., & Son (Tooth Brushes) .. 10	Caldicot Tin Stamping Works, Ltd. (Decorated Tins) xv	Fellows Medical Manfg. Co., Inc. (Fellows Syrup) ix
Allen & Hanburys, Ltd. (Greetings) Cover	Carter Bros. (Atlas "Kattlekure") .. 14	Fink, F., & Co. (Gums) 14
Allen, Stafford, & Sons, Ltd. (Ergot Preparations) 4	Cartwright, W. B., Ltd. (Greetings) 9	Foley's (Glassware) xiii
Anglo-French Drug Co., Ltd. (Bivatol, &c.) vi	Castle Huskisson, Ltd. (Tablets, &c.) v	Ford, Shapland & Co., Ltd. ("Sol-vo" Toilet Paper) xiii
Arnfield, J. C., & Sons, Ltd. (Coco- nut Oil Shampoo, &c.) iii	Cavendish Chemical Co. (New York), Ltd. iv	Fulford, C. E., Ltd. (Greetings) 2
Association of Manfg. Chemists, Ltd. Col. Supp.	Christy, T., & Co. (Cachet Machines, Cucumel) 14-20	Galen Products Co., Ltd. (Glycerino Pastilles, &c.) 15
Ayrton-Graham, Ltd. (Shopfittings).. 13	Clark, Cicero S. (Cachets) 14	Gardner, W., & Sons (Glos.), Ltd. (Machinery) xiv
Baker Metal Stopper Co., Ltd. (Screw Caps, &c.) xv	Clark, S. F. (Valuer, &c.) Col. Supp.	George, Ernest J. (Valuer, &c.) Col. Supp.
Bandoeng Quinine Factories (Quinino and Salts) iv	Clayton & Jowett, Ltd. (Cologne Perfumes, &c.) 10	Gledhill, G. H., & Sons (Total Adder) xvi
Barker, R., & Son, Ltd. (Infants' Preservative) x	Cook, Geo. (Shopfittings) 14	Gollin & Co. Pty., Ltd. (Greetings) 3
Barnett, Jack L., Ltd. (Greetings) .. 18	Cox & Moore (Easoff Chewing Gum) vi	Grout & Co., Ltd. (Crêpe Bandages) xii
Bayer Products, Ltd. (Bulk Chemicals) iv	Cussons, Sons & Co., Ltd. (Lavender Series Toiletries) 11	Hackett, S. E. (Film Overstocks) Col. Supp.
Bell, John, Hills & Lucas, Ltd. (Pharm. Preps.) Leader Page	Davis & Lawrence Co. viii	Hall, Forster & Co., Ltd. (Vaporisers) 14
Benger's Food, Ltd. (Foods) 20	Dearborn, Ltd. (Toilet Preparations) 10	Hampden Residential Club . Col. Supp.
Berdce & Fish, Ltd. (Valuers, &c.) Col. Supp.	Denver Chem. Mfg. Co. (Anti- phlogistine) vi	Hampson, Fredk. (British Bottles) .. 18
Box, W. H. (Box's Pills) ix	Dixor, Ltd. (Toilet Preparations) .. 13	Hobson, J., & Son, Ltd. (Black Beer) 14
Bristow, T. F., & Co., Ltd. (Greet- ings) 1	Dubarry Perfumery Co., Ltd. (Greetings) Cover	Hubbuck, T., & Son, Ltd. (Oxide of Zinc) ii
Brooks & Warburton, Ltd. (Chloro- phyll Sandoz) v	Dudley & Co., Ltd. (Display Fittings) xv	Ibberson, G., & Co. (Razor Blades) .. 12
Brown, E. (Valuer, &c.) Col. Supp.	Ellams & Co. (Printing) 12	Iwaki & Co. (Drugs) iii
Burrough, James, Ltd. (Alcohol) Leader Page	Elmesan (London), Ltd. (K.D. Air Desiccator) ix	Jackson, J. P., & Co., Ltd. (Filling Machines) xvi
Burroughs Wellcome & Co. (Insulin) 19	Emkolene Manfg. Co. (Pile Remedy) 14	Johnson & Sons Manufacturing Chemists, Ltd. (Pharmaceutical Chemicals, &c.) iii
	Ephazone Co. (Ephazone Tablets) Leader Page	
	Fairchild Bros. & Foster ('Pepsencia') Leader Page	
	Fairy Dyes, Ltd. (Dyes) xiv	

(Continued overleaf.)

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INDEX—cont.

Jones & Co. (Methylators), Ltd. (Methylated Spirit) xi	National Drug Industries, Ltd. (Greetings) i	Sherley, A. F., & Co., Ltd. (Veteri- nary Preparations) xvii
Josephs, Philip, & Sons (Shopfittings) Col. Supp.	Newbery, F., & Sons, Ltd. (Greet- ings) 12	Sier, Voss & Tones (Transparit) Leader Page
Kaydor, Ltd. (Morfi Rubber Products, &c.) 14	New Era Treatment Co., Ltd. (Elasto) 5	Silks Toilet Co. (One Drop Perfumes) 13
Kinross, A. (Printing) x	Norwegian Cod Liver Oil xx	Sim, Ltd. (Ampoule Files) iv
Lawrence, G. H., Ltd. (Razor Blades) 12	Ocean Blades (Gt. Britain), Ltd. 13	Smith, T. & H., Ltd. (Alkaloids) v
Law & Shaw, Ltd. (Bottles) xix	Orridge & Co. (Valuers, &c.) Col. Supp.	Southall Bros. & Barclay, Ltd. (Sanitary Towels) xii
Leon C. D. Co. (Art Prints) 12	Perry & Hope, Ltd. (Phosphate of Soda) x	Speer, W. R., & Son (Toothbrushes) 13
Levermore, A., & Co., Ltd. (Precipi- tated Chalk) 14	Perry's Powders, Ltd. (Children's Powders) vi	Stapleton & Son (Archanium) viii
Lewis, H. K., & Co., Ltd. (Books) .. 8	Pitman, Sir Isaac, & Sons, Ltd. (Books) 14	Sterns, Ltd. (Oils, Petroleum) viii
Lofthouse & Saltmer, Ltd. (Cod Liver Oil) x	Poth, Hille & Co., Ltd. (Ceresine Wax) xi	Sumner's Typhoo Tea, Ltd. Leader Page
London College of Pharmacy (Greet- ings) 8	Potter & Clarke, Ltd. (Wholesale Druggists) 17	Surgical Hosiery Co., Ltd. xiii
Matthews, D., & Son (Shopfittings) Col. Supp.	Proprietary Agencies, Ltd. (Milk of Magnesia) 20	Suter, A. F., & Co., Ltd. (Gums) .. ii
Matthews Laboratories, Ltd. (Sterilla Surgical Soap) Leader Page	Rivista Italiana delle Essenze e Profumi xi	Taylor, Edward, Ltd. (Flexoplast Adhesive Bandage) 6
Maund, F., & Berg, E., Ltd. (Show- cases) Col. Supp.	Roberts' Patent Filling Machine Co. xiv	Thompson, John (Wholesale Drug- gists, 1921), Ltd. (Pile Ointment) 8
May, Roberts & Co., Ltd. (Greetings) 7	Robinson & Sons, Ltd. (Greetings, &c.) Cover-xv	Tilbury, W. R., & Son (Tooth Brushes) 12
Metropolitan-Vickers Electrical Co., Ltd. (Cosmos Lamps) xvi	Rudduck & Co. (Shopfittings) xvii-Col. Supp.	T.P. Company (Hand Cleaner) xii
Midgley & Parkinson, Ltd. (Yeast Preps.) x	Scruton, O., & Co. (Nurse Harvey's Mixture) 12	United Chemists' Association, Ltd. (Ginger Wine Essence) vii
Millar, A., & Co., Ltd. (Orange Wine) x	Scurr, C. A. (Optical Tuition) 8	Washington Chemical Co., Ltd. (Cream of Magnesia) ii
Mills, J. M., Ltd. (Methylated Spirit) viii	Shadeine Co. (Hair Dyes) 14	Webster, T., & Co., Ltd. (Stoppers) xiii
Miss Muffet Toilet Paper Co. xii	Shadforth Prescription Service (Prescriptions) viii	Whitaker & Co. (Kendal), Ltd. (Hat Dyes, Household Dyes) 14
Munns Bros., Ltd. (Photographic) .. 14		Woolley, J., Sons & Co., Ltd. (Leo Insulin) 16
Myers, E. J. (Shopfittings) xvi-Col. Supp.		Wright, Layman & Umney, Ltd. (Coal Tar Soap) Cover
		Zeal, G. H., Ltd. (Clinicals) xii



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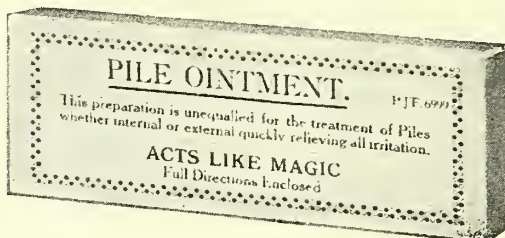
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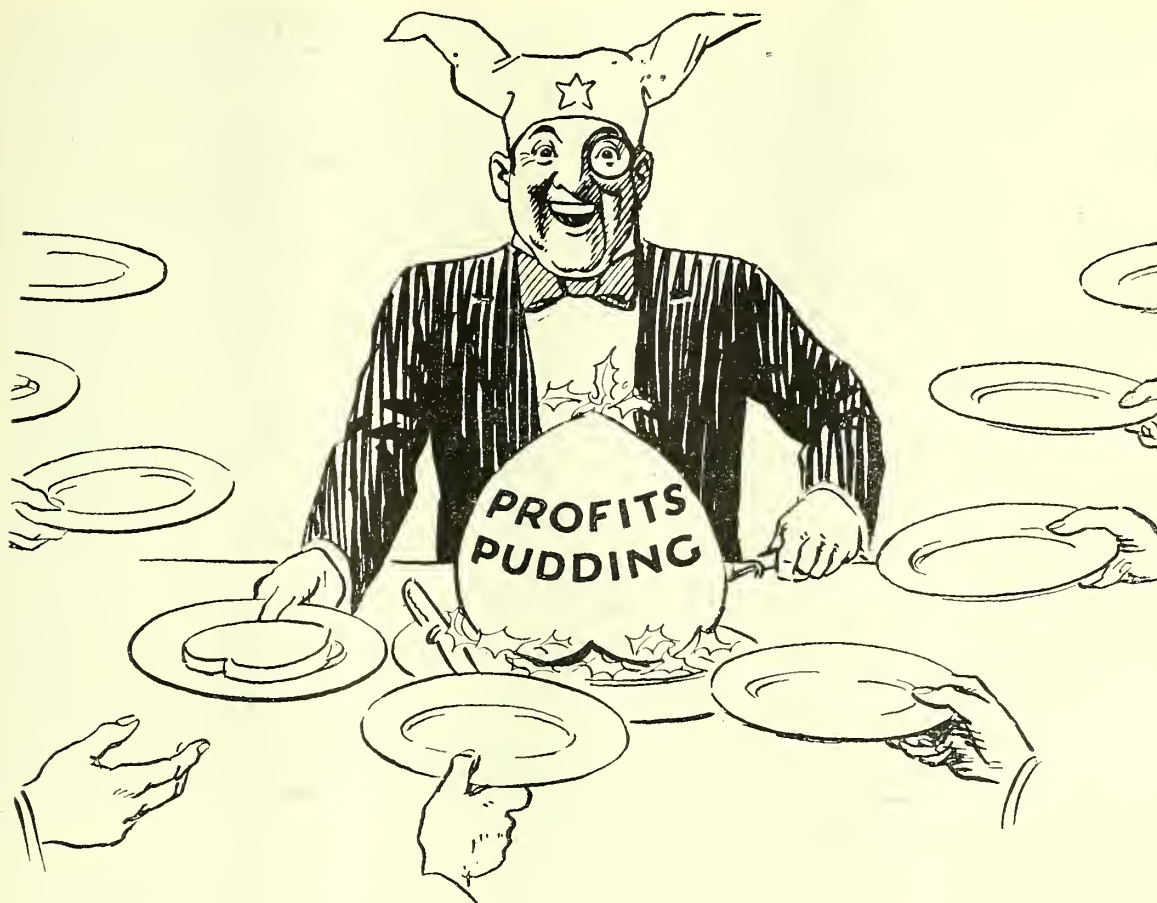
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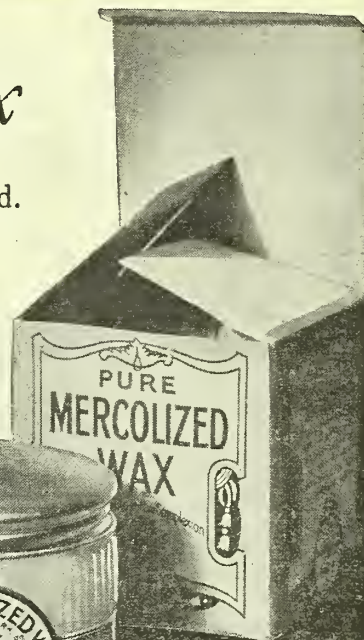
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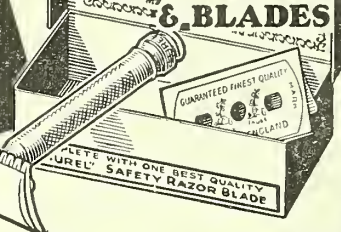
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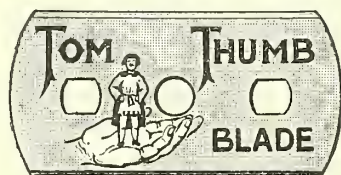
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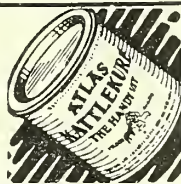
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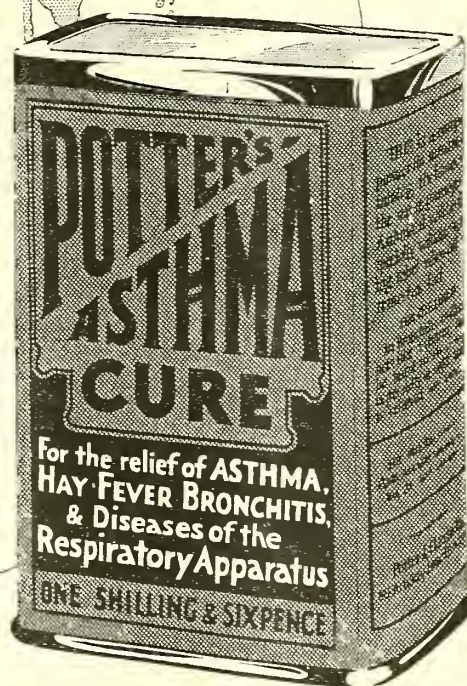
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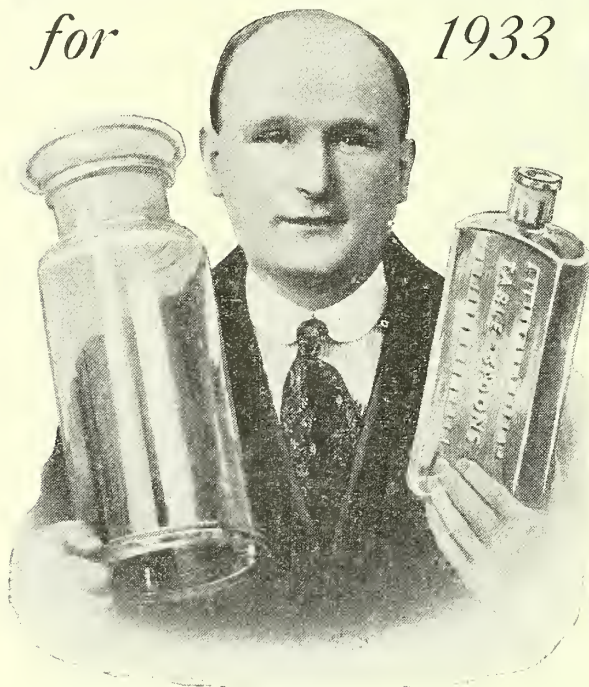
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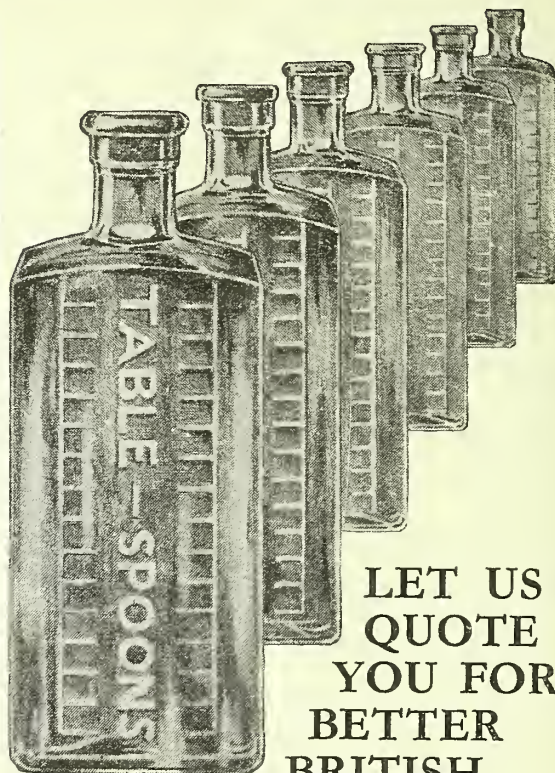


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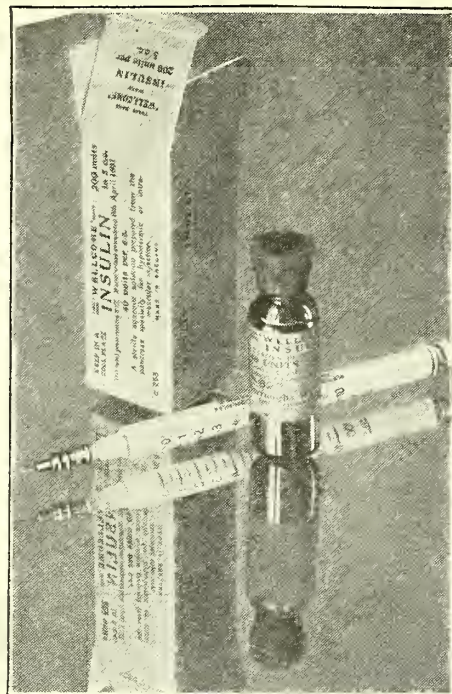
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A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

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VOL. 117. NO. 2759

CONTENTS

DECEMBER 24, 1932

PAGE	PAGE	PAGE	PAGE
Association Meetings 764	Editorial Article:—	News of the Week .. 759	Things Pharmaceu-
Births 766	<i>The C. & D. Diary</i> 769	Personalities 767	tical in America .. 770
Bocks, New 772	Festivities 764	Pharmaceutical	Topical Reflections.. 761
Correspondence:—	Information Depart-	Society of Northern	Trade Marks 776
Letters 777	ment 768	Ireland:—	Trade Notes 767
Legal Queries 773	Irish Notes 761	Council Meeting 763	Trade Report 773
Subscribers' Sym-	Legal Reports 762	Pharmacist and the	Wholesale Photo-
posium 778	New Companies and	B.P. 765	Finishers' Associa-
Miscellaneous In-	Company News .. 762	Retrospect 778	tion 771
quiries 773		Scottish Notes 760	Wills 766
Deaths 766			

News of the Week

Import Duties Act, 1932

Notice is given by the Board of Trade, in "The London Gazette," of requiring returns for the year 1933 in respect of certain trades and industries manufacturing goods in the United Kingdom, which, if they were imported, would be chargeable with a customs duty under Part I of the Import Duties Act, 1932. The principal trades and industries of interest to the drug trade are:

- Glass Trade.
- Chemical and Allied Trades.
- Fertiliser, Disinfectant, Glue and Allied Trades.
- Soap and Candle Trade.

The number of trades and industries mentioned in the Schedule to the notice is sixty-six.

Import Duties Advisory Committee

The Import Duties Advisory Committee give notice of applications for the addition of the following goods to the Free List:—

- Ferro-chrome.
- Cobalt metal.
- Nickel metal in the form of pellets, cubes, rondels, etc.
- Refined ferro-manganese, containing less than 3 per cent. of carbon.

Any representations which interested parties desire to make in regard to these applications should be addressed in writing to the Secretary, Import Duties Advisory Committee, Caxton House (West Block), Tothill Street, London, S.W.1, not later than January 11, 1933. The Committee announce that they have decided not to make any recommendation in respect of the application previously advertised for the addition of citrate of lime to the Free List.

The Import Duties Advisory Committee desire to state that in the notice issued last week in regard to the application for drawback in the case of linoleum, floorcloth, oilcloth, table baizes, and similar products, it should have been stated that the drawback was applied

for in respect of imported linseed, as well as imported linseed oil.

Control of Radio-Active Substances

Mr. Storey asked the Minister of Health, in the House of Commons, on December 24, whether he proposes to take steps to control the preparation, advertisement, and sale of remedies containing, or purporting to contain, radium or radio-active substances, in view of the danger to public health arising from the uncontrolled sale of these articles.

Mr. Shakespeare: Legislation would apparently be required to give effect to my hon. friend's proposal, and in the present state of business my right hon. friend fears that he could not properly hold out hope that time will be found available for this purpose.

Society of Chemical Industry

Under the title "Alcohol Through the Ages" the jubilee memorial lecture of the Society of Chemical Industry was delivered on December 12 by Dr. E. F. Armstrong, F.R.S., before the Yorkshire section. The history of alcohol, its use and relation to knowledge from early times, was first outlined. Distillation of alcohol was an old process, of which the earliest records were found in Arabic medicine. The application of alcohol to medicine and to other arts extended rapidly in the Middle Ages, when monastic production of spirit for medicinal purposes became general; but on the dissolution of the monasteries the industry became disorganised until the formation of the Distillers' Guild. State control of alcohol as a means of revenue production was begun in this country by the Parliamentary Government in 1643, when, as a result of the spirit duties imposed, methods of alcoholometry became necessary, leading to the formulation of the proof standard, the invention of Clark's hydrometer, and later of Sikes' hydrometer. In 1790-94 Blagden and Gilpin made a careful study of alcoholometry, and introduced alcohol tables which were

later revised by Thorpe. Denaturation of spirit by wood naphtha, legally permitted in 1855, rendered alcohol available as a raw material for many industrial chemical purposes, but prevented its use for others, and in 1902 alternative additions were allowed; to-day a wide range of denaturants is available. The manufacture of industrial alcohol for use as a solvent, as a reagent for the preparation of ether and fine chemicals, as a solvent and a vehicle in the industrial arts and as a raw material for the large scale syntheses of carbon compounds was next considered. One factor aiding the cheap production of alcohol from molasses was the ease by which this material was handled. Carbon dioxide was a valuable by-product of the fermentation industry. Successful processes for the conversion of sawdust into fermentable sugars have been devised, but lack of sawdust and the present low price of molasses rendered this method non-competitive. Future production of alcohol would probably be mainly from ethylene, and the economical basis of this process depended on obtaining ethylene at a suitable price. The best source of ethylene was petroleum cracker gases, but modern tendencies were to crack petroleum in the liquid phase and to obtain liquid rather than gaseous products. The commercial production of absolute alcohol was described, and it was shown how, by the use of azeotropic mixtures, absolute alcohol could be produced from a distillery mash at a single operation. The future importance of power alcohol was indicated. The uses and potential significance of alcohol as a raw material for the syntheses of organic chemicals were considered.

Manchester

Miss F. Mary Simmons, youngest daughter of Mr. E. H. Simmons, president of the Manchester Pharmaceutical Association, has passed the first M.B., Ch.B. examination of Manchester University.

Mr. David R. Dickson, eldest son of Mr. D. Dickson, chairman of the Manchester Pharmaceutical Committee and ex-president of the Manchester Pharmaceutical Association, has obtained the L.D.S. diploma at Manchester University.

Councillor R. G. Edwards, chairman of the Public Health Committee and a past-president of the Manchester Pharmaceutical Association, speaking at a recent meeting of the City Council in support of the pasteurisation of milk, said that to-day 13 per cent. of the milk consumed in Manchester was tuberculous. It was imperative that someone should take the lead in arousing public opinion, and this would not be the first time that Manchester had done so. If pasteurisation was only a palliative, it was an effective palliative.

Sheffield

Mr. John Austen, Ph.C., presided at the last lecture of the Literary and Philosophical Society, which is to be wound up after 110 years of useful work.

Local chemists are proposing to close on Monday and Tuesday in Christmas week, and Monday (January 2) in the New Year, with the exception of the special dispensing hours.

Mr. W. Bycroft, of Ellis, Son & Paramore, surgical instrument makers, Spring Street, has won an Austin car through "Help Yourself." He also sold the largest number of copies (424) in Sheffield.

A joint meeting of medical men and members of the local branch of the Pharmaceutical Society is to be held at the University in January, when Dr. C. H. Hampshire will give an address on the 1932 B.P.

A tour of the shops reveals that the importance of an attractive window display is fully appreciated by chemists. One gathers the impression that there is less perfumery on view than in previous years.

Miscellaneous

BURGLARY.—The premises of Ralph Cuthbert, Ltd., chemists Huddersfield, were broken into recently, and a quantity of photographic and optical apparatus was stolen.

WINDOW-DRESSING AWARD.—At a window-dressing competition organised by the Heckmondwike Chamber of Trade, recently, Mr. F. Mallinson, chemist and druggist, and Taylors Drug Co., Ltd., were highly commended for their displays in the class for "Things to Use."

SUBSCRIPTIONS TO HOSPITAL FUND.—The annual report of the East Lancashire Workpeople's Hospital Fund shows that the staffs of the following houses have subscribed generously to this object:—W. Meadowcroft & Son, Ltd.; James Woolley, Sons & Co., Ltd.; Cephos, Ltd.; Tolkien & Co.; Boots, Ltd.; C. A. Critchley, Ltd.; Taylors Drug Co., Ltd.

IN THE COURTS.—At Whitehaven, on December 12, three boys, whose names were not divulged, were bound over on a charge of breaking into the premises of Mr. W. H. Wandless, chemist and druggist, Duke Street, on two occasions, and stealing goods.—At Westminster Police Court, on December 20, Annie Abernethy (31), described as a qualified dispenser, was fined £5, with £6 6s. costs, for shoplifting.

LONDON SCHOOL OF DIETETICS.—The London School of Dietetics, the founder and president of which is Dr. J. Neil Leitch, is to be opened at 22 Chenies Street, W.C.1, on January 2. It is announced that two scholarships have been won; one of these, of the value of £21, has been presented by Energen Foods Co., Ltd., and the other, of the value of £31 10s., by the School authorities. A prospectus of the courses of instruction may be obtained (price 1s.) from the Organising Secretary, Mrs. C. U. Cole.

LONG-SERVICE AWARDS.—The staff and employees of Messrs. A. de St. Dalmaz & Co., Ltd., Leicester, met recently, under the chairmanship of Mr. H. C. S. Tyler, for the purpose of making presentations to colleagues. A chiming clock was presented to Mr. Alfred Kirk; this was supplemented by a cheque for £50 from the directors in recognition of forty-four years' continuous service, and a lounge chair as a personal gift from Mr. and Mrs. A. F. Cholerton. A gift of £50 was also handed to Mr. Wade Mould, who has served the firm for fifty-four years. It was stated that there are still twelve members of the staff (including four representatives) with an average record of over thirty-eight years' continuous service—an aggregate of 500 years; and that Mr. Cholerton has been connected with the firm as partner and managing director for forty-three years.

Scottish Notes

Brevities

Influenza is again epidemic in many parts of Scotland.

December 26 will be observed as a holiday by the majority of Scottish wholesale drug houses.

Mr. Dixon W. Black, chemist and druggist, has acquired a pharmacy at 61 Ayr Road, New Prestwick.

Mr. Alastair McCrae, chemist and druggist, Dalrymple Street, Girvan, has been elected president of the Girvan Merchants' Association.

Under a scheme for medical attendance and treatment, arranged by Airdrie doctors, membership is open to unemployed persons.

A reunion supper and dance will be held at the Central Hotel, Dundee, on December 26, from 8 p.m. until 2 a.m., by the Dundee Former Students' Association. Particulars from the secretary, Miss E. Fyfe, 140 Albert Street.

On the initiative of the Aberdeen branch of the Hairdressers' Association, a resolution is being considered by other branches throughout the country deciding to approach manufacturers and wholesalers with a request that they should cease to supply friction lotions to retail chemists. The complaint appears to be that chemists have displayed in their windows preparations which are used by hairdressers in the course of their business, and that this encourages "home" and amateur competition, which is already severe.

Irish Notes

British Pharmacopœia, 1932

The Irish Medical Council have adopted a resolution calling upon the Executive Council to have the new British Pharmacopœia brought into force in the Irish Free State as from January 1, 1933. An order in council is being issued to give effect to this recommendation.

Brevities

Mr. L. F. Rickerby, L.P.S.I., has opened a pharmacy at 134 Francis Street, Dublin.

Mr. J. P. Crowe, L.P.S.I., has taken over the business of Nolan's Medical Hall, 16 South Richmond Street, Dublin.

Mr. David Walsh, Ph.C., Banbridge, who has undergone a severe operation, is reported to be making satisfactory progress.

Miss Joan Storey, daughter of Mr. Fred Storey (president of the Chemists' and Druggists' Society of Ireland), has had the misfortune to break her wrist during a hockey match.

In the Senate of Northern Ireland, on December 15, the Dangerous Drugs Bill was read a third time and passed, the Royal Assent following through the Governor at the adjournment of Parliament on December 20.

The Dangerous Drugs Amendment Regulations (Northern Ireland), 1932, dated November 11 (S.R. & O. of Northern Ireland, 1932, No. 126) have been issued from the Stationery Office as a leaflet (price 1d.). As mentioned in our issue of November 26, they are identical with those printed in the *C. & D.*, October 8, p. 433.

Judging by the number of tickets sold and the extent to which tables have been booked at the Metropole, Dublin, the Chemists' Golfing Society dance promises to be an outstanding success. This event, which takes place on December 27, is receiving support from the retail and the wholesale, and the assistants are also very actively interested. Although run under the auspices of the Chemists' Golfing Society the dance will not be confined to golfers. Spot prizes have been presented by a number of prominent retailers.

At Carrickfergus Petty Sessions, on December 7, John Donaldson, grocer, Albert Road, was charged with failing to enter sales of methylated spirits regularly. Dr. Mills, who prosecuted for the Home Office, said that the defendant had been visited by their inspector under the Pharmacy Laws, who found that forty gallons of methylated spirits had been purchased by Mr. Donaldson from June 1 to November 9, and records could only be produced supporting the sale of six gallons seven pints with written orders for five pints. The magistrates imposed a penalty of £5 and costs.

Topical Reflections

By Xrayser

"Signs of the Times"

might have been a better title for Mr. T. Edward Lescher's interesting address reported by you last week (p. 731); but the word "drift" was not used by him incorrectly, despite his play upon the word at the close. The address was a capable survey of the existing state of affairs, more particularly as affecting pharmacy, showing shrewd appreciation of the drift or tenor of changing conditions. Mr. Lescher has been able to take a broad and detached view of the changes in official pharmacy contingent upon economic developments and advances in medical science, and he rightly indicates how the new British Pharmacopœia may be regarded as an index pointing in the direction of the drift or direction of the current which is beyond our control. Yet, as he pointed out, the passing of galenicals and the coming of biologicals still leaves the practice of pharmacy in existence, and pharmacists in the coming generation may expect to find their place as heretofore. Following on the address by Mr. Lescher there was a discussion of a type that is nowadays rare at pharmaceutical gatherings, and I was particularly pleased to read how first one and then another of those present at the meeting made some appropriate remarks. Reports of such discussions provide most excellent reading.

Another Fine Address

reported last week (p. 744) was that delivered by Sir Henry Dale on the occasion of the presentation to him of the Harrison medal. Beginning with a charming reference to the life and work of the late E. F. Harrison, he proceeded to show how the whole aspect of therapeutics has become transformed during recent years, and pointed out the necessity which exists for pharmacy to adapt itself if it is to retain its function as the expert supply service of therapeutics. In other words, Sir Henry has once more made it clear that times have changed and are changing in the world of medical treatment, and that pharmacy must be prepared to change in an equal degree. Apart from this, I find in the address a comprehensive record of modern biological medicaments and other substances used in the specific treatment of causes rather than symptoms of disease. I should strongly advise the younger generation of pharmacists and all students preparing them-

selves for recognition of their qualification to make a careful study of what Sir Henry Dale has told us, and to keep for reference full notes of the main points in his Harrison Memorial Lecture.

One of the Most Striking Statements

in the lecture was that if medicine should ever achieve its proper aim, in the extinction of therapeutics by a rational prevention, pharmacy along with therapeutics must be prepared to die in a common sacrifice. But no one can look forward seriously to any such perfect consummation; and it seems safe to assume that the moral the lecturer wished to point was that the close association between the treatment of disease and the supply of medicaments necessitates still closer adaptation of pharmacy in order to keep pace with the progress of medical science. As it happens, this is a text upon which several leading pharmacists have discoursed of late, but it has been left to Sir Henry Dale to emphasise the part pharmacists must be prepared to play in the changes accompanying the modern transformation of therapeutics. Those changes have been manifesting themselves for many years past; but change is still proceeding, and a careful study of Sir Henry Dale's address shows that we are not yet very far advanced in the direction of replacing symptomatic treatment by more rational methods. How far medical science has advanced is indicated to a marked degree by changes in the British Pharmacopœia. No better illustration of symptomatic treatment could have been chosen than that of the use of the group of drugs employed as laxatives, aperients and purgatives; no greater contrast could be afforded than that of the scientific study of a satisfactory diet for the maintenance in health of all the functions of the body, including that of excretion of waste products. What was stated concerning endocrine glands and diseases due to infection must appeal strongly to pharmacists who are anxious to keep pace with modern developments in medical science, and not less should they be interested in the gloomy record of failure to combat infections due to bacteria by means of drugs and unnatural chemical agents. Rational preventive treatment, no less than the prevalent curative treatment, needs the services of skilled collaborators such as pharmacists to make it effective.

Legal Reports

Motion for Committal.—In the Chancery Division of the High Court, London, on December 20, Mr. Justice Farwell heard a motion by Gillette Industries, Ltd., to commit L. Feldman for alleged breach of an injunction and an undertaking embodied in the order perpetually restraining him from selling wholesale to the trade or retail to the public Gillette razor blades below the prices fixed by the plaintiffs' current price list. Mr. Roxburgh, for the plaintiffs, said that the blades complained of were sold below price by the defendant's daughter in his presence, and contended that the defendant had aided and abetted in a breach of the order. Mr. Turnbull read an affidavit by the defendant, in which he said that the business belonged to his wife and that he had no interest whatever in it but acted as manager. He further said that the plaintiffs' price list was never sent to the business, and that he was unaware that higher prices had been fixed. Mr. Justice Farwell, giving judgment, said that on the evidence before him the defendant did not sell the blades and the business was not his. The circumstances were full of suspicion, but he did not feel justified in making an order for committal. The motion was dismissed, without costs.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

JAMES RUDMAN (IRELAND), LTD. (P.C.).—Capital £2,000. Objects: To carry on the business of paint, varnish and glue manufacturers, oil and colour merchants, etc. Solicitors: Lawrence, Williams & Co., Bristol.

BORO' DAIRY LABORATORIES & APPLIANCE CO., LTD. (P.C.).—Capital £500. Objects: To act as analytical and consulting chemists, dairy engineers, etc. R.O.: St. Thomas' Chambers, 24 London Bridge Approach, London, S.E.

BRITISH NITROGEN ENGINEERING, LTD. (P.C.).—Capital £100. Objects: To carry on the business of analytical and manufacturing chemists, chemical engineers, manufacturers and importers of and dealers in fertilisers, synthetic ammonia, chemicals, etc. R.O.: 45 Bloomsbury Square, W.C.1.

VELVORIDE, LTD. (P.C.).—Capital £100. Objects: To acquire from H. Jackson the benefit of certain secret processes in relation to a leatherlike material known as "Velvotide," and to develop, exploit and turn to account the manufacture and sale of velvotide and kindred products, etc. R.O.: 11 Winckley Street, Preston.

Private Arrangements

George Harold Thwaites, late 288 High Street, Croydon, chemist and druggist. At the meeting of the creditors, held recently, it was stated that a deed of assignment had already been executed in favour of Mr. Parkin S. Booth, of The Association of Manufacturing Chemists, London, E.C. The statement of affairs showed liabilities of £768 1s., of which £703 15s. 6d. was due to the trade and £64 5s. 6d. to a partly secured creditor. The total claim of the latter was £85 15s. 6d., but securities to the value of £21 10s. were held. The assets consisted of book debts, £5 5s.; stock, £170; and fixtures and fittings, £175, making a total of £350 5s. After allowing £63 5s. for preferential claims, the net assets were £287, or a deficiency of £481 1s. It was reported that the debtor commenced business in July 1930. The creditors decided to confirm the deed of assignment and appointed a committee of inspection.

Bernard Vaughan Games, The Square, Abertridwr, chemist and druggist.—At the meeting of the creditors of the above, the statement of affairs showed liabilities of £379 6s. 10d., of which £366 1s. 3d. was due to the trade and £13 5s. 7d. was owing in respect of rates. There was also a fully secured creditor for £12 2s. The assets consisted of cash in hand, £1 5s.; stock in trade, £136 8s. 1d., put down at £75; book debts, £4; and fixtures and fittings, £25; making a total of £105 5s. After allowing £54 0s. 7d. for preferential claims, the net assets were £51 4s. 5d., or a deficiency of £328 2s. 5d. It was reported that the debtor commenced trading in 1931. It was estimated that during the first few months the turnover was at the rate of £15 per week. It had, however, since declined and had fallen to about £8 10s. weekly. The position was attributed to depression in trade; lack of capital and competition. Resolutions were passed confirming the deed of assignment already executed to Mr. J. Wallace Williams, accountant, of Cardiff, with a committee.

Bankruptcy Reports

Re Westminster Pharmacy, Ltd., 733 London Road, Westcliff-on-Sea. The statutory meetings of the creditors and contributories were held recently at the offices of the Official Receiver, 29 Russell Square, London, W.C. It was reported that the company's statement of affairs had not yet been lodged. Resolutions were passed for the appointment of Mr. A. Granville White, of Messrs. Francis, Nicholls, White & Co., Cheapside, London, E.C., who had acted as special manager, as liquidator. A committee was also elected, consisting of the representatives of Messrs. Francis Newbery & Sons, Ltd., Kodak, Ltd., and the British Drug Houses, Ltd.

Re Cyril Claude Wood, "Sharuhen," Honiton Road, lately Preston Street, both Exeter. Acid manufacturer. The public examination was held recently at the Castle, Exeter. Debtor had lodged a statement of affairs which disclosed ranking liabilities of £685 15s. 4d., with a deficiency of £558 0s. 10d. The failure was attributed to the terms of a service agreement having been too stringent, trade depression and illness. Replying to the Official Receiver, debtor said that owing to increased competition, he agreed with a chemical company to be employed by them at a weekly wage and commission. In October 1931 debtor realised that the terms of the agreement were unsatisfactory in view of the large area which he had to cover, and to reduce expenses he removed to Preston Street, Exeter, in June 1932. He terminated the agreement on October 30. The examination was closed.

Re Donald Cummins, 29b Bedford Road, lately 122 Guildford Road, Birkdale, Lancs, chemist and druggist. The public examination was held recently at the Court House, Liverpool, when the statement of affairs showed liabilities of £1,422, with assets of £267. The debtor stated that he qualified as a pharmacist in 1930, and was for a short time employed as a chemist's assistant. In October, 1931, he commenced business at Guildford Road, at a lock-up shop, and six months later he opened a similar business at Bedford Road. He had a commencing capital of about £95, and borrowed £70 from his mother and £200 from another person. He spent £175 in fitting up the shop, and the rest of the money was paid for stock. At the Bedford Road shop he spent £130 in fixtures and fittings. The debtor subsequently borrowed another £100. He sold the Guildford shop in August, 1932, for £371, of which he received £240, leaving £131 still owing. That amount was included in the statement of affairs as a doubtful debt, estimated to realise £80. The Official Receiver pointed out that in just over twelve months' trading the debtor had sustained a loss of something like £1,300, and asked him if he had sold goods at under cost price. The debtor replied that he had not. He said he had not filed his petition sooner as he thought things would straighten out. The examination was closed.

Pharmaceutical Society of Northern Ireland

Council Meeting

THE monthly meeting of the Council was held on December 16, the president (Mr. R. I. Edwards) in the chair. There were present also Messrs. J. E. Connor, H. Todd, S. S. Badger, J. C. Culbert, W. S. Taylor, Fred Storey, A. C. McBride, Samuel Gibson, H. F. Moore, S. H. Forrest, W. Martin, Sir Thomas McMullan, Professor Small, Dr. Fielden and Dr. Acheson. Mr. D. L. Kirkpatrick (secretary) was in attendance.

RETURN OF THE SECRETARY

The SECRETARY thanked the president and Council for the kindness extended to him during the time he had been laid aside after his accident.

The PRESIDENT expressed pleasure at having Mr. Kirkpatrick with them again.

CORRESPONDENCE

Mr. P. R. W. Shinner, Ph.C., Antrim Road, Belfast, wrote stating that the dates fixed for the mid-winter examinations were unsuitable. Coming as they did in the first and second weeks in December, the depletion in staffs caused very considerable dislocation of business at the very time when help was most needed in preparing for Christmas trade, etc. He suggested January as the most suitable date, and added, "Personally I have notified my staff that I cannot allow any leave in December in future."

The PRESIDENT said that matter had been up before, and it had been decided that the first week in December was the most suitable time.

Several members expressed the view that there was little rush in the first week in December, and the secretary was instructed to send a suitable reply to Mr. Shinner.

TRIBUTE IN THE SENATE TO THE SOCIETY

The SECRETARY read a report of Colonel Sinclair's speech in the Northern Senate on the Dangerous Drugs Bill (*C. & D.*, December 17, p. 724), in which he paid tribute to the work of the Society.

The PRESIDENT said that it was a very high commendation. It was well they had a man like the Colonel in the Senate, for he knew the subject well.

On the motion of Sir THOMAS McMULLAN, it was decided to send a letter of thanks to Colonel Sinclair.

SUGGESTED PURCHASE OF PREMISES

The Ulster Retail Drug Trade Association forwarded a resolution viewing with astonishment the proposal of the Council to purchase premises at a cost of approximately £9,500, "and would respectfully beg that the proposal be stayed until a plebiscite of licentiates is obtained, as, failing a favourable mandate, it would be unfair to saddle the future, and perhaps the present, pharmacists with an additional increase in annual expenditure."

Mr. BADGER said the U.R.D.T.A. had been misinformed.

Mr. TODD said there was no suggestion of increasing the licence fee, which was evidently feared in some quarters.

Mr. MOORE said that successive annual meetings had emphasised that they must have a house of their own. How did that square with the U.R.D.T.A. letter?

Mr. STOREY said it was pleasant to see the U.R.D.T.A. taking an interest in the Council even at this late hour. The Council had got a mandate from the general meeting to have a house of their own.

Mr. CULBERT said the whole point was the amount of money to be spent.

The Council rejected the idea of a plebiscite, and the secretary was directed to inform the U.R.D.T.A. accordingly.

The PRESIDENT said the report of the House Purchase Committee dealt with the same matter, and would be taken now. The minutes recorded that instructions had been given for the issue of advertisements in the Press asking for offers of sites. They had had a number of replies to their advertisement asking for premises, but they had not had time to go into them.

The SECRETARY said that one of the replies wanted £80,000 for a site. (Laughter.)

The PRESIDENT emphasised that nothing definite had been done. The report was adopted.

LAW COMMITTEE

Mr. STOREY moved, and Mr. GIBSON seconded, the adoption of the minutes of the Law Committee, which stated:—"It was resolved that indentures similar to those used in Great Britain be adopted, the secretary to go into same with the Society's solicitors so as to have the wording in conformity with the Pharmacy and Poisons Act (Northern Ireland), 1925."

The proposed form of indenture submitted in the minutes gave rise to some discussion. Several members took exception to various points, one suggestion being that the word "pupil" should be substituted for "apprentice."

In reply to Mr. McBride, the PRESIDENT said that this matter only related to future apprentices.

The minutes were adopted, it being understood that the wording of the indenture would be finally revised by the solicitor.

FINANCE COMMITTEE

The Finance Committee reported a resolution that the annual subscription for membership and associate-ship of the Society should be 5s., to include a copy of the Annual Register. Members and associates wishing to have THE CHEMIST AND DRUGGIST can obtain it through the Society; this change to come into force as from September 1, 1933.

Mr. STOREY congratulated the Society on reducing the membership fee to 5s. A circular should be sent to every non-subscribing chemist drawing attention to the fact that the subscription was a nominal one of 5s.

Mr. MOORE said that in his election address he was in favour of incorporating the membership fee with the £3 3s., but he found there were many obstacles in the way. The licence fee dealt with the Home Office, and the membership fee with the Society. Who would get the vote, say, in the case of a widow, or a limited company?

The PRESIDENT said he had ruled at the last meeting that the licence fee was a thing by itself. The minutes were adopted.

DECEMBER EXAMINATIONS

The results of the December examination (*C. & D.*, December 17, p. 724) were announced, and the report of the Board of Examiners was adopted.

The SECRETARY said that the percentage of passes in the Preliminary Certificate was thirty and in the Final twenty-nine.

OTHER BUSINESS

Mr. John C. Connell was nominated for membership. It was stated Mr. Connell was starting for himself in business.

Mr. CULBERT suggested a course of post-graduate instruction in the new B.P. and all that it involved.

The PRESIDENT said it would be a very useful thing. The suggestion was sent to the Education Committee.

The PRESIDENT wished the members a happy Christmas at the rising of the Council.

Association Meetings

Belfast.—The monthly meeting of the Executive Committee of the Ulster Retail Drug Trade Association was held in Belfast on December 6; as it was found impossible to dispose of all the business in the time available the meeting was adjourned to December 13. The president (Mr. A. E. A. Davis) took the chair at both meetings. The secretary reported that a copy of the resolution passed on October 4 pledging support to the N.P.U. in its opposition to the proposed changes in N.H.I. Regulations had been forwarded to the Ministry of Health, and that a letter of congratulation on the successful result had been sent to the secretary of the N.P.U. Mr. Dundee and Mr. Hardy having tendered their resignations as members of the Committee and notified their withdrawal from the Association at the expiration of the period of notice, the president reported that deputations had unsuccessfully waited upon Mr. Dundee and Mr. Hardy, with the object of getting these gentlemen to reconsider their decision. Mr. Hardy stated that he was reluctantly compelled to adhere to his decision, as he felt, judging from the small number of votes cast in his favour at the recent election of the Pharmaceutical Council, he had lost the confidence of the members of the U.R.D.T.A. Mr. Dundee expressed himself in somewhat similar terms. In view of the reports of the deputations, the resignations of the two gentlemen were very reluctantly and regretfully accepted, with many expressions of appreciation of their valuable services. The matter of guilds and similar organisations demanding special discounts or allowances from traders was discussed at length; such practices were strongly condemned, and it was decided that suitable measures should be taken, in conjunction with other interested trades, to combat this procedure. Mr. Culbert raised the question of tuberculosis dispensing, and suggested the advisability of having this scheme worked on similar lines to N.H.I. dispensing; Messrs. Abernethy, Culbert and Hudson were appointed as a subcommittee to go into this matter and report. The following resolution was proposed by Mr. James McDowell, seconded by Mr. C. Abernethy, and passed:—"That this Committee views with astonishment the proposal of the Pharmaceutical Council to purchase premises at a cost of approximately £9,500, and would respectfully beg that the proposal be stayed until a plebiscite of licentiates is obtained, as, failing a favourable mandate, it would be unfair to saddle the future, and perhaps the present, pharmacists with an additional increase in annual expenditure." The secretary was directed to send a copy of the resolution to the secretary of the Pharmaceutical Society of Northern Ireland [see p. 763]. Price alterations and other routine business concluded the proceedings.

Birmingham.—A meeting of the scientific section of the Birmingham Pharmaceutical Association was held on December 13, Captain E. C. Bennison presiding. Miss K. M. Chapman, B.Pharm., read a paper on *Organo-therapeutic Products in the B.P., 1932*. Miss Chapman first reviewed the history of the use of animal substances in medicine. In 1901, she said, Takamine succeeded in isolating pure adrenalin; soon afterwards several other important active principles were obtained in the pure state from animal glands, and later some of them were prepared synthetically. Miss Chapman gave an interesting survey of the chemistry, pharmacy, and therapeutic effects of adrenalin, insulin, thyroxin, and pituitary extract and liver extract, concluding with a brief account of the properties of halibut-liver oil. The chairman and others congratulated Miss Chapman upon her excellent paper, and upon the lead she had given to the ladies of the Birmingham Pharmaceutical Association.

Brighton.—The first annual meeting of the Brighton, Hove and District Junior Association of Pharmacy was held on December 8. Mr. W. Trillwood presided, and the secretary's report and balance sheet were approved. The following officers were elected for the ensuing year:—*President*, Mr. K. H. Sansom; *Vice-President*, Mr. E. P.

Sorrell; *Secretary and Treasurer*, Mr. J. D. Simmons; *Committee*, Miss Faro, and Messrs. A. F. Caldwell, S. Garrett, D. Woolliams, Margetson and V. Wardell.

West Middlesex.—A meeting of the West Middlesex Chemists' Association was held on December 15, the president (Mr. J. Dobson) in the chair. After the ordinary business an address was given by Mr. Herbert Skinner (a member of the Pharmaceutical Society's Council) on *Some Aspects of Pharmacy in America*. Mr. Skinner described the prescription pharmacies and drug stores, and showed how, in the latter, business reacted to the needs of the general public in a wider and more varied sense than in this country. He analysed the drug survey, and quoted from the prescription analysis. Mr. Skinner next dealt with prescription pricing and the part played by medical centralisation in dispensing of medicines at particular drug stores. He also described a visit paid to the medical centre of New York City, and detailed the methods of dispensing and distributing of medicaments in the hospital. He made a comparative examination of the Conference methods which, in many respects, illustrated pharmacy as it appears in a union of states and of a compact country such as Great Britain. Many documents and photographs were passed round, and appreciation was shown of the disloyal and layout of the Lascoff pharmacy in New York City. Mr. Marns endorsed many of the remarks, and considerable discussion arose. The meeting finally closed with a vote of thanks to Mr. Skinner.

Festivities

Birmingham Dance

THE annual dance of the Birmingham Pharmaceutical Association was held at the Botanical Gardens, Edgbaston, on December 14. There was a record attendance. The extensive alterations to the building and the new floor were greatly appreciated. Mr. F. Y. Yeomans acted as M.C., and dancing continued until 1 a.m. Dance prizes were won by the following:—Mrs. N. F. Rushden, Mr. Stanworth, Mr. and Mrs. Goulding, Mrs. A. D. Coventry, Mr. J. L. Jones, Miss Glover and Mr. Ward Williams.

Manchester Christmas Party

THE Junior Section of the Manchester Pharmaceutical Association held an "old-fashioned Christmas party" at the Victoria Hotel on December 14. Games and dances were indulged in to the great delight and enjoyment of about 100 members and friends. Refreshments and Christmas novelties were provided during the evening. The party was voted a great success, and Mr. W. E. Phillipson was in great form as M.C. The secretary (Mr. R. B. Maskell) and the committee are to be heartily congratulated on their admirable effort.

Manchester Public Pharmacists

THE Manchester Branch of the Guild of Public Pharmacists held a whist drive on December 16. The following were the prize-winners:—*Ladies*, (1) Miss Illingworth (prize given by James Woolley, Sons & Co., Ltd.); (2) Miss Hill (Foxall, Ltd.); (highest score in first half) Miss Diggle (Box, Ltd.); (second half) Mrs. Axson (Parke, Davis & Co.); (lowest score) Mrs. Thomson (Jeyes' Sanitary Compounds Co., Ltd.); (last trick at table) Mrs. Perry (secretary's prize). *Gentlemen*, (1) Mr. Cooper (prize given by Charles Newsome); (2) Mr. Strubb (Hough, Hoseson & Co., Ltd.); (highest score in first half) Miss I. Bayley (W. J. Bush & Co., Ltd.); (second half) Mr. Morton (T. J. Smith & Nephew, Ltd.); (lowest score) Mr. Walters (Oldfield, Pattinson & Co.); (last trick at table) Mr. Bossons (Parke, Davis & Co.). Mr. Cleworth, who distributed the prizes, proposed hearty votes of thanks to the secretary (Mr. Phillipson), to the committee and to the donors of prizes.

The Pharmacist and the British Pharmacopoeia, 1932

Excerpt from a lecture delivered to the Aberdare and Merthyr Branch of the Pharmaceutical Society of Great Britain, on December 15, by Mr. R. Vernon Lloyd, B.Pharm., Ph.C., Head of the Welsh College of Pharmacy

THOSE of you who have already commenced your study of the new Pharmacopoeia will realise what a formidable task confronts anyone attempting to give a detailed account of the subject-matter contained therein.

The publication of a new Pharmacopoeia may be regarded as a milestone on the road of pharmaceutical progress, and we who are travellers on this road may with advantage pause at such a milestone and consider whither the road leads. In other words, the Pharmacopoeia is an excellent indication of the trend of pharmaceutical practice. A study of the list of omissions, modifications and additions is of value for this purpose. Chemicals form about one-fifth of the omissions and one-half of the additions; galenicals form about three-fifths of the omissions and two-fifths of the additions; whilst crude drugs form about one-fifth of the omissions with negligible additions. This is a striking confirmation of the change that is taking place in the preparation of remedial agents. Vegetable drugs as a rule are not in a suitable condition for administration to a patient. It is the work of the pharmacist to make and supply preparations of drugs in a suitable form for administration. This can be accomplished by two methods, viz.:—

(1) By reducing the drug to a fine powder which can then be administered in capsules, pills, etc.

(2) By extracting the "active constituents" or such of them as may be required; the preparation so formed, usually termed a "galenical," can then be administered in any suitable manner.

This latter is the more modern method, the preparation so obtained possessing several advantages over the powdered drug, in that it is possible to extract from the drug just what is wanted in a form more convenient for administration and more rapid in action. Further progress has been made in the identification and isolation of the active constituents in the form of pure chemicals, and it is to be expected that attempts will be made to manufacture these compounds by synthetic methods, thus eliminating the crude drug as their source. The Pharmacopoeia indicates this tendency by recognising both the natural and the synthetic product where they have been shown to have identical therapeutic actions, e.g., adrenaline, camphor. Progress in the manufacture of chemical substances possessing therapeutic value is also continuing, many of these synthetic medicinal chemicals being now official. The field of chemo-therapy promises to be very fruitful, and will largely influence the materia medica of the future.

A Book of Standards

From pure chemical substances the pharmacist can prepare solutions of definite strength without having to resort to subsequent standardisation (frequently involving complicated analytical processes). Thus the tendency is towards an increase in extemporaneous pharmacy. This tendency does not seem to have been recognised by the authors of the papers on "Developing the Pharmaceutical Side of a Chemist's Business," read at the recent British Pharmaceutical Conference at Aberdeen. Formerly a Pharmacopoeia was regarded mainly as a list of formulas, but it appears to be developing into a book of standards, controlling the purity of the substances used in medicine. The object is, apparently, to encourage the prescriber to construct

his own special formulas, using the substances described in the Pharmacopoeia as ingredients. Such a development in prescribing should benefit extemporaneous pharmacy, but it is well to realise the danger that a busy prescriber may be tempted to increase the use of ready-made formulas, such as the so-called "stock mixtures," and to rely, even more, on proprietary preparations for the ingredients of which the standard of purity of the Pharmacopoeia may not apply.

As the pharmacist is not expected to engage in the manufacture of chemical substances and biological products, there is a tendency for the Pharmacopoeia to become of more use to the manufacturer than to the pharmacist in general practice; but the present Pharmacopoeia certainly cannot be regarded as a "manufacturer's B.P." In addition to the tendency of its policy to increase extemporaneous pharmacy, the Pharmacopoeia goes a long way to meet the needs of the practising pharmacist, whose present-day duties are mainly confined to extemporaneous pharmacy, the supplying of remedial agents and the sale of poisons. He has ceased to manufacture the majority of the galenicals, this section of pharmacy having passed into the hands of the manufacturer. The pharmacist would be well advised to reconcile himself to this loss and to concentrate on extemporaneous pharmacy. Considerable advances are being made in the technique of extemporaneous pharmacy; and unless the pharmacist is prepared to keep pace with these new developments, he may ultimately lose this branch too and find his pharmaceutical activities confined to the sale of remedial agents and poisons. This warning must be regarded as "the writing on the wall," and due attention should be paid to it. In so far as extemporaneous pharmacy is concerned, sterilisation can be regarded as the subject which has been in the forefront recently. I would strongly advise all pharmacists to study this subject fully.

An Important Problem

The pharmacist, as a supplier of remedial agents, is largely concerned with the important problem of the keeping properties of drugs and their preparations, and the most suitable methods of storage. This is a section of pharmacy which is only now beginning to receive the very serious attention it deserves. One wonders how many drugs have fallen into disfavour simply because of the deterioration of their preparations during storage. It is very gratifying to observe that the subject of storage has received special attention in the new Pharmacopoeia, and I would counsel all pharmacists to observe carefully the directions for storage given in the various monographs. I would value the co-operation of the practising pharmacist in the study of this important problem of the changes that take place during storage. If you have observed any signs of deterioration in drugs and their preparations when stored under given conditions, I would be glad of details, with, if possible, a sample of the substance. I will conclude with a quotation from an address given by Dr. Burn at Brighton some time ago:—"Pharmacy at the present time is suffering eclipse from the inefficiency of the 1914 Pharmacopoeia." To what extent will it be better off by the publication of the 1932 Pharmacopoeia? Now is the time for the pharmacist in general practice to demonstrate the value of his services.

Births

Notices for insertion in this column must be properly authenticated.

BAILEY.—At Caerthillan Nursing Home, Fordwych Road, West Hampstead, London, N.W., on December 20, Doris, the wife of Eric Bailey, chemist and druggist, of a son.

CARNIE.—At 161 Prince of Wales Lane, King's Heath, Birmingham, on December 18, Catherine, the wife of John W. Carnie, chemist and druggist, of a daughter.

Deaths

DALLOW.—At Birmingham, recently, Mr. Charles Ernest Dallow, chemist and druggist, 352 Monument Road, aged fifty-nine.

GARNETT.—At St. Bartholomew's Hospital, London, E.C.1, recently, Mr. Thomas Garnett, chemist and druggist, aged twenty-three.

GILL.—At the Laurels, Herstonceux, on December 13, Mr. William Henry Gill, retired chemist and druggist, aged ninety. Mr. Gill was for a long period in business in George Street, Croydon.

HARLEY.—At his residence, Ashleigh, Isle Road, Perth, on December 15, after a brief illness, Mr. Thomas Harley, manufacturing chemist, aged sixty-seven.



MR. THOMAS HARLEY

Mr. Harley, who was a native of Grahamstown, South Africa, went to Scotland early in life and was educated in Dundee, in which city he was apprenticed to the late Mr. Charles Kerr, Ph.C. After gaining further experience as an assistant in Glasgow and Southport, he qualified in 1888; two years later he purchased the pharmacy of the late Mr. James Gowans, High Street, Perth. The sale of Rodine, originally a side-line of Mr. Harley's, increased so

steadily that the erection of a factory became necessary. This, in its turn, gave place to larger premises, specially equipped for the purpose of manufacture, which were opened in 1928 by the Lord Provost of the city. (A description of this extensive building appeared in the Special Issue of *THE CHEMIST AND DRUGGIST* of June 25 last, p. 720.) In the same year Mr. Harley disposed of his retail business. He was for thirty years secretary of the Perthshire Pharmacists' Association, and in 1922 was presented with a silver salver in recognition of his services. He was a vice-president of the local Insurance Committee, of which he had been a member since its formation. He had also served as president of the local Rotary Club and as moderator of the High Constables. He was an extensive traveller from time to time, his tours including two visits to South Africa. Mr. Harley is survived by a widow and a son. "W. M." (20/12) writes:—

"A friendship of a lifetime with Thomas Harley prompts an attempt to express something of the esteem in which he was held by everyone who knew him and of their deep sense of personal loss. His success in his Empire-wide manufacturing interests in no way spoiled him, and he remained, in his social and home life, as in his public and business life, of the same genial and always helpful disposition. There was no mistaking the aura of good will that radiated from him in his every thought and word and action. His strong and quiet mind, his clear and sound

judgment and his obvious sincerity won the trust and admiration of all his friends and colleagues. He was indeed a good and true man, the soul of honour and integrity. Taken so suddenly in the prime of life, a life of service, pharmacy has lost an able exponent and the community a sterling citizen."

Appropriate reference to the loss sustained by the community, was made on December 15 at a meeting of Perth Town Council by the Lord Provost, and at a luncheon of the Rotary Club by the president. The funeral took place at Wellshill Cemetery on December 17. Among those present in a large and representative gathering were the city chamberlain and the moderator of the High Constables. There were numerous wreaths, including one from the staff at the Rodine works.

HATTON.—On December 17, after a long illness, Mr. William G. Hatton, of Hatton's Drug Stores, 702 Lea Bridge Road, Leyton, London, E.10.

HEDDLE.—In Edinburgh, on December 11, Mr. James Samuel Baikie Heddle, chemist and druggist, 257A Leith Walk, Leith, aged sixty-three.

MERCK.—On December 15, Dr. Willy Merck, senior partner of the firm of E. Merck, manufacturing chemists, Darmstadt. The history of this well-known house was recorded in *THE CHEMIST AND DRUGGIST*, 1908, II, 415. As head of the manufacturing and scientific departments Dr. Merck took an active part in the expansion of the business. In 1926 he celebrated the fortieth anniversary of his entry into the responsibilities of management.

SHATTOCK.—On December 17, Mr. John Bellett Shattock, M.P.S., Prospect Street, Lancaster, aged sixty-nine. Mr. Shattock was in business in Lancaster about forty years. For a considerable period he acted as secretary of the Lancaster and District Pharmacists' Association. He leaves a son, who is in Canada, and a daughter, Miss M. Shattock, M.P.S., who will carry on her late father's business. The funeral service was held on December 20 at St. John's Parish Church, Lancaster, the interment taking place at Torrieholme Cemetery. The service was attended by the following:—Messrs. W. R. Aked, Alex. Bate, W. Clifford Eastwood, F. Hindle, C. E. Marriott, W. Maxwell, W. Moses, Philip S. Robbins (representing Evans Sons Lescher & Webb, Ltd., Liverpool), A. H. Robertson, W. H. Sheldon (Miltonthorpe) and W. Smith.

WARDLE.—At Ashbourne, recently, Mr. Thomas Wardle, chemist and druggist, aged eighty-one.

WHELAN.—At his residence, Ard Patrick, Galway, on December 18, Mr. John Marlborough Whelan, L.P.S.I. Mr. Whelan was one of the best known of the Western pharmacists, and had carried on business at Williams-gate Street, Galway, since he qualified in 1897. He leaves two sons, Mr. John D. Whelan and Mr. Michael Whelan, both of whom are pharmaceutical chemists, and are carrying on the business. The interment at Prospect Hill Cemetery, on December 20, was largely attended.

Wills

MR. JOHN FREDERICK PHILLIP BARNIKEL, 3 East Meade, Chorltonville, Manchester, and 412 Corn Exchange Buildings, Manchester, chemical and mineral merchant, who died on March 4 last, aged seventy-one, left estate gross value £9,704, with net personality £8,948.

MR. ALFRED NAYLOR CONROY, 80 Nuns Moor Road, Penham, Newcastle-upon-Tyne, managing director of Forster & Co., Ltd., chemists, 105 Clayton Street, Newcastle, who died on July 31 last, aged sixty-five, left estate gross value £1,836, with net personality £1,025.

SIR WILLIAM PEARCE, J.P., Shepway Lodge, The Beach, Walmer, Kent, a director of Spencer Chapman & Messel, and vice-president of the Federation of British Industries, Liberal M.P. for Limehouse 1906-22, who died on August 24 last, aged seventy-nine, left estate of the gross value of £74,149, with net personality £71,161.

Trade Notes

EASOFF chewing gum, which is a product only supplied by chemists, can be obtained through the usual wholesale channels or from the proprietors, Cox & Moore, Ashcombe Pharmacy, Weston-super-Mare.

GINGER WINE ESSENCE.—United Chemists Association, Ltd., Cheltenham, and 4 Keith Grove, London, W.12, remind chemists that ginger wine essence is an excellent winter line, particularly at the present time.

CHRISTMAS HOLIDAYS.—Arthur Berton, Ltd., 256-260 Old Street, London, E.C.1, will close from Friday evening, December 23, until Wednesday morning, December 28, and not as stated in our issue of December 17.

BUSINESS OVERSEAS.—Davis & Lawrence Co., 4401 Bronx Boulevard, New York City, on another page call the attention of manufacturers to their facilities for making and distributing proprietary products in Australia, Canada and the United States of America.

GREETINGS.—The following advertisers in this issue are devoting space to wishing their customers and friends the season's greetings:—Allen & Hanburys, Ltd., London, E.2; Jack L. Barnett, Ltd., Leeds; T. F. Bristow & Co., Ltd., London, N.W.9; W. B. Cartwright, Ltd., Rawdon, Leeds; Dubarry Perfumery Co., Ltd., Hove; C. E. Fulford, Ltd., Leeds; Gollin & Co., Pty., Ltd., Slough; London College of Pharmacy, London, S.W.9; May, Roberts & Co., Ltd., London, E.C.1; National Drug Industries, Ltd., London, E.1; Francis Newbery & Sons, Ltd., London, E.C.1; Robinson & Sons, Ltd., Chesterfield.

Personalities

MR. PHILIP F. ROWSELL, F.C.S., a past-president of the Pharmaceutical Society of Great Britain, has been elected an alderman of the Devon County Council, of which he has been a member for many years. Alderman Rowsell has for a long period taken an active part in public affairs in the county, and among the numerous offices he has held is that of Mayor of Exeter for three consecutive years.



MR. P. F. ROWSELL, F.C.S.

MR. JAMES SEARLE, secretary to Ernest E. Jackson & Co., Ltd., manufacturing chemists, Crediton, and Mrs. Searle, celebrated their silver wedding on December 14. Mr. Searle has been with Messrs.

Jackson & Co., Ltd., for thirty-two years.

MR. F. H. RUOFF, chemist and druggist, who has been elected chairman of Portsmouth Insurance Committee in succession to Councillor W. J. Lewis, chemist and druggist, is a native of Reading, where he served his apprenticeship. He commenced in business for himself at London Road, Portsmouth, twenty-nine years ago, removing recently to 57 Chichester Road. He has been a member of the Portsmouth Insurance Committee for eleven years, and during the same period has been the secretary of the Portsmouth Pharmacists' Association, and for the last eight years the secretary of the Portsmouth and District Branch of the Pharmaceutical Society. In returning thanks for his election, Mr. Ruoff said Portsmouth chemists would appreciate the confidence shown in them by the committee in electing a chemist to the chair for the second year in succession.

WE have received the following cablegram from Mr. John Royle (Ingram & Royle, Ltd., London, S.E.1), who is on a business tour in Australia:—"To all friends in Great Britain hearty good wishes 1933 from John Royle." The cablegram has been addressed to us from Roseville, New South Wales. We have much pleasure in passing on Mr. Royle's seasonable greeting.

ANOTHER greeting from Australia has been received in this country during the present week. The sender is Mr. Walker, a Melbourne pharmacist, and an occasional visitor to Great Britain, who has cabled to Mr. John H. Robinson, Exchange Station Pharmacy, Liverpool: "Best wishes Christmas New Year."

MR. EDWARD D. GLOVER, chemist and druggist, New Wortley, Leeds, has been admitted a Serving Brother of the Order of St. John of Jerusalem, in recognition of his distinguished services connected with ambulance work. In July last he was decorated with the Insignia of the Order. Mr. Glover has been connected with the movement for eighteen years, and is well known in Armley as the Divisional Superintendent of the Armley and Wortley Division of the St. John Ambulance Brigade, over which he has had control since September 1920. In addition to his work in Armley, Mr. Glover has been Centre Secretary, for a number of years, for the Leeds Centre of the St. John Ambulance Association.



MR. E. D. GLOVER

MR. C. T. LEWIS, a senior member of the staff of The British Drug Houses, Ltd., London, N.1, is retiring on December 31 from the position of representative in the London area. Mr. Lewis joined the firm of Hodgkinsons, Stead & Treacher in 1878, and thus has to his credit a record of fifty-four years spent in the service of The British Drug Houses and their predecessors. Altogether he has had sixty-one years in the drug trade. His retirement, in his seventy-fifth year, is accompanied by best wishes from his colleagues at the B.D.H. for his health, comfort and happiness.

It is announced by Stevenson & Howell, Ltd., London, S.E.1, that Mr. A. J. Croxford, one of the directors, is retiring from business on December 31. Mr. Croxford entered the service of the firm of Stevenson & Howell in 1887, was appointed secretary to the company in 1904, and elected to the board in 1913. Mr. J. G. Wood, senior representative of the company, is also retiring at the end of the year after forty-seven years of service. During the greater part of this period he has had charge of the company's interests in the West of England and South Wales.

MR. HARRY ROBINSON, J.P., chemist and druggist, and Mrs. ROBINSON, Baildon, Yorkshire, celebrated their golden wedding on December 17. Mr. Robinson qualified in 1881, and set up business at Browgate, Baildon, later building the shop in which he is still established. Forty years ago a part of his premises became the Baildon branch of the Bradford Old Bank (now Barclays Bank, Ltd.), and Mr. Robinson himself took charge of the bank's interests there. He retired from the bank management ten years ago after close on thirty years' service in that capacity as well as running his pharmacy. In public work he served many years on the Baildon Urban District Council, for some time as chairman. Among his other activities Mr. Robinson has been treasurer of the local Nurses' Association since its formation twenty years ago, and a member of the Guiseley Old Age Pensions Committee. He became a magistrate three years ago.

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Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-
hand suppliers of the undermentioned articles will be appreciated.

M/1612. Alexodine (liquid pre- paration of opium)	W/1912. Name of article bear- ing following for- mula:—Psych. Ip.
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M/1812. Denaturol	B/2012. Rita massage brush
A/2012. Extrupal hair restorer (London source)	
S/2112. Locknit hot - water bottles	

THE CHEMIST AND DRUGGIST

VOL. CXVII. DECEMBER 24, 1932 NO. 2759

A Bird's-eye View of the Drug Trade

A WELCOME message not infrequently received at the offices of THE CHEMIST AND DRUGGIST is to the effect that the writer of it has been a subscriber to our journal for, say, thirty or forty, and occasionally more, years. Almost all of these correspondents add a word of appreciation as to the manner in which we have kept them abreast the kaleidoscopic changes occurring in the drug trade. Events, particularly in recent years, have followed one another with such startling rapidity that it is essential to summarise them from time to time, not only to obtain a proper perspective, but also to render available for our readers such facts as are relevant to the conduct of their business in a manner which is comprehensive and easy of reference. There is no better medium for these objects than *The Chemist and Druggist Diary*, a copy of which we have the pleasure of presenting annually to each of our subscribers. That for 1933 being ready for dispatch, it is appropriate to call attention to the somewhat unusual nature of at least two of the articles therein.

A Comprehensive Exposition

"Opening a Pharmacy," which was the *pièce de résistance* of last year's *Diary*, has been augmented, so that in conjunction the two portions form the most comprehensive exposition of the subject that has ever been available for pharmacists. Much of the information contained in the 1933 instalment of the article is again of considerable interest to the wholesale side of the drug trade, as will be gathered from a brief mention of some of the matters dealt with. Under the heading of "Business Policies" are discussed such matters as paying accounts promptly, attitude to competitors, politics and religion. The necessity for some system of book-keeping is appreciated by most chemists, but many a young pharmacist has very hazy notions as to what is required when he commences business on his own account, so that the section dealing with account keeping will prove a valuable one. A knowledge of commercial law is of prime importance in every business, and it is to provide this information in a terse and easily remembered form that paragraphs on such subjects as banking, contracts, master and servant, insurance, and goodwill have been included. The majority of chemists in business to-day are photographic dealers, but the opening of a department for the sale of films, papers and other materials is not now just a matter of ordering an assortment from a wholesaler; it is necessary first to be "approved" as a dealer, and the manner by which one can achieve this status is fully described in that section of "Opening a Pharmacy" which deals with "Photographic Business." Under this heading is also treated the installation of equipment for the developing and printing of amateurs' films, the prices to be charged for the various operations,

and a list of the stock suggested as suitable for an opening order. Next to the photographic, sight testing is probably the most popular development of a pharmaceutical business, and for this reason we have included a section on "Opening an Optical Department," suggestions being given as to the choice of a room, suitable equipment and selection of stock. The second of the two articles referred to above relates to the new British Pharmacopœia. The appearance of this *rara avis* has been, and will continue to be for some time, responsible for many doubts which can only be settled by comparison of the 1932 edition with that of 1914. For this reason we have incorporated in this article such information as our experience has shown to be most urgently required by members of the drug trade.

Business Information

More and more chemists' businesses are being converted from the personal to the company style of trading, and questions regarding this change over have led us to suppose that the procedure described in "Converting a One-Man Business into a Limited Company" will meet the needs of a large number of our subscribers. The introduction of a tariff barrier against goods brought into Great Britain from foreign countries has been responsible for the Import Duties Act, 1932. This came into force on March 1, and on p. 297 of the *Diary* will be found a summary of the chief provisions and the duties at present in force. It should be noted that the operation of the Ottawa Agreements Act, 1932, will probably affect the position as regards liability to duty of some goods and products which are at the moment on the Free List. Classes of goods on which import duties are imposed under the Safeguarding of Industries Act, 1921, Part I (Key Industries) and the Abnormal Importations (Customs Duties) Bill are not liable to duty under the Import Duties Act, 1932, unless the latter duty is greater than duty imposed under the former Acts. In the 1932 *Diary* we published a synopsis of the provisions as regards contributions and administration of medical benefit under the National Health Insurance Acts; in the 1933 *Diary* we have summarised the chief points of interest to chemists who undertake insurance dispensing, an article which is particularly appropriate in view of the successful fight for the retention of the celebrated Clause 4 (4) (C. & D., December 10, p. 707). Other articles in this annual issue (the sixty-fifth year of publication) include "Poison Antidotes and the Treatment of Poisoning," "Statutory Restrictions on the Sale of Poisons" (in Great Britain, in Northern Ireland and in the Irish Free State), "Spirit Laws and Regulations," "Medicine Stamp Acts," "Income Tax," "Drug-Trade Organisations," "Registration of Business Names," "Excise Duties," "Food and Drugs (Adulteration) Act," "Public Offices and Associations," and "Metropolitan Medical Institutions." In addition to urging our readers to study the literary pages of the *Diary*, we must also call their attention to the informative nature of the advertising pages. There is among manufacturers a growing appreciation of the use of colour printing in their announcements, and particularly of photogravure, while for reference purposes the Trade Directory and Buyers' Guide still maintain their pre-eminent position as an index to the wholesalers and manufacturers

Things Pharmaceutical in America

Abstract of an Address delivered in Edinburgh on December 14, by Mr. Hugh N. Linstead, Ph.C., Secretary and Registrar of the Pharmaceutical Society of Great Britain

THE second meeting of the winter session of evening meetings of the Pharmaceutical Society in Edinburgh was held at 36 York Place on December 14, Mr. J. B. McVitie (chairman of the Executive) presiding.

The CHAIRMAN said he had to mention the loss they had sustained in the death of Mr. James S. B. Heddle, of Leith. He would be greatly missed, and they tendered to his widow and son their sincere sympathy. They were fortunate in having with them Mr. Linstead, the secretary to their Society. He had pleasure in calling on Mr. Linstead to address them on

"Things Pharmaceutical in America."

Mr. Linstead said it was a pleasure to stand again on that platform to address a meeting of the Society. It occurred to him to begin by giving them an invitation in return, and he would like them to make a note of the meeting of the British Pharmaceutical Conference which was to take place in London from July 24 to July 28, 1933. In giving them an account of his visit to America he would have no time to speak of Canada. His visit to America occupied only a short period of a few weeks, during which he covered only a small area extending to about 600 or 700 miles in one direction and 200 miles in another. He was generalising, therefore, from rather small beginnings.

He would start off with the landing at New York. Coming up the Hudson River by the Brooklyn Bridge one got a view of the marvellous skyscraper buildings which formed such a striking feature in New York. He was met on arrival by Dr. and Mrs. Kassner, old students of the Society's school in London. They had kindly offered hospitality and made arrangements for visiting several Colleges of Pharmacy and places of interest. The first place they visited was the College of Pharmacy of Columbia University, New York. There was an intimate relationship between Columbia University and the Pharmaceutical Society, inasmuch as a number of their students had taken the Ph.D. as a result of research work done in the Pharmaceutical Society's laboratory in London. In the afternoon they crossed the East River to Brooklyn and visited the Brooklyn College of Pharmacy. This was one of the newest schools in the Eastern States. It had been built with money subscribed by the pharmacists of Brooklyn and certain profits from fees paid by students. The building was admirably arranged, with a central store communicating by lift with the laboratories on each side of the central building. There was a peculiarly American feature connected with this building, namely, what were called the "Quiz" rooms. This quiz system was carried out by the students meeting in this room with one of the demonstrators to go over the latest lecture delivered by the professor. Questions were asked and the appropriate answers ascertained.

STUDENTS' ACTIVITIES

In the evening he proceeded to the other side of New York to visit New Jersey, where he dined with Dr. Rusby, the old Dean of the School of Pharmacy of New York, now semi-retired. They would remember him as having come over to England in 1929 to receive the Hanbury Medal. Next day he visited the New Jersey College of Pharmacy (Rutgers University). He had noted with interest that students had been brought up from their high school onwards in the atmosphere of co-education, and this seemed to produce a certain amount of sentimentality. There was an absence of the harder element of educational life to which they were accustomed in their British colleges. This element was reflected in the games they played. There was a fine, fully equipped gymnasium which was a part of the

School of Pharmacy. The students' activities resembled closely those in Great Britain. A feature of the colleges was the setting up of various alumni associations, of one of which he was made an honorary member. Some of these colleges had no State support and had to depend on voluntary subscriptions. Teachers were allowed to supplement their incomes by undertaking certain work "on the side." In New Jersey, for example, a full-time professor was defined as one who spent at least 60 per cent. of his working time in the college.

He next proceeded by air 200 miles to Boston to visit the Massachusetts College of Pharmacy. This was a very large college, for the building and maintenance of which a baker left £2,000,000. It had an annual income of £50,000, partly from students' fees and partly from the endowment. The building and equipment were consequently of a high standard of excellence. The chemical laboratory was fitted with an elaborate scheme of ventilation attached to an exhaust pump by which fumes were removed. He had noticed in some colleges a tendency to separate research from teaching. This seemed going about it in the wrong way, because research and teaching should go hand in hand. At Boston he had noted especially the large lecture theatre, seated with four hundred chairs. In regard to finance, New York, Brooklyn and Philadelphia depended mainly on students' fees. The School of Pharmacy in Brooklyn depended also on support by the local chemists. New Jersey and Baltimore were attached to the Universities, and Massachusetts depended on endowment. It would thus be seen that there was a good reason why some of the schools should endeavour to have a large number of students. Students who had passed the internal High School examination were entitled to enter the university or college of pharmacy. The result was that when they came to the first hurdle there was a crash, as many as 15 per cent. of the students failing to go further. The fourth-year classes were usually only about one-half the size of the first-year. Another indication of financial stringency was the fact that they had thirty to thirty-five students for each demonstrator. It was largely because colleges were pressed financially that they had insisted on a four-years' course instead of three years—not only perhaps for financial reasons, but also because their training in the high school and in the schools of pharmacy was wide rather than deep, and they had a large number of cultural subjects, some having no direct relation with pharmacy. At Baltimore, for example, in addition to ordinary subjects they had toxicology, biology, mathematics, economics, history, pharmacology and English as subjects.

PHILADELPHIA COLLEGE

He then proceeded to Philadelphia, where he was met by Professor Fullerton Cook, chairman of the United States Pharmacopœia Revision Committee. This was a very old college which had just been rebuilt. They had some rather interesting mural paintings in the entrance hall, depicting pharmacy from the dawn of civilisation up till modern times. Sir Henry Wellcome was a graduate of the Philadelphia College. There was in this college a floor given over to show cases, shop cases and benches of various sorts which they used for pharmacy planning. A class of twenty or so was sent up to this floor to plan a shop and practise window dressing. At Baltimore they had a large pharmacological laboratory in which all the fourth-year students had to perform the seven biological tests of the U.S. Pharmacopœia. He saw there in a tank 200 or 300 frogs, and at the time of his visit a contractor was delivering twenty-four embalmed cats. Another point was that all students had what they called a free time from the college. In many

cases that time was used to earn money to pay for the college course.

He had stressed the differences of American practice from English practice as these appeared to a visitor. But he did not want them to think that American pharmacy was totally commercialised. Anybody who said that would be making a most superficial observation. He knew of no pharmacies in this country to compare from the point of view of appearance, equipment, planning and the thoroughness with which their resources were concentrated upon true pharmaceutical practice with those of Lascoff in New York and Dunning in Baltimore. These indicated that American pharmacy was far from the commercialised calling it was sometimes held up to be. He had learned much, both of things material and ideal, from the leaders of American pharmacy whom he met, and much which would be valuable to them in the new building which they hoped to put up in London. He had come to the conclusion that basically the pharmaceutical problems of America were the same as our own, and he had learned how they were tackling them. He found that they realised, as we do, that if the condition of chemists in business is going to be improved one must keep in mind scientific progress and research work. He felt, too, that his visit had been some small contribution to Anglo-American understanding. He would conclude by saying that his reference to certain high-class pharmacies in America did not detract from one very definite conclusion. That was that pharmaceutical education in Britain need not fear comparison with pharmaceutical education in the United

States. He had returned with an increased respect for our own system of education, the standard of our examinations and the type of pharmacist we produced. (The address was illustrated by a series of lantern slides.)

Vote of Thanks

Professor Sir WILLIAM WRIGHT SMITH, in moving a vote of thanks to Mr. Linstead, said he esteemed it a pleasure and an honour to move a vote of thanks for so interesting, so humorous and so instructive a lecture. His observations on the educational system in America conformed very closely with what their own best men found there in praise and criticism. The apparatus and the buildings were wonderfully good, but when they came down to practical details they were not so sure.

Mr D. HARLEY, in seconding, said in these days of easy travel these international contacts had become quite a feature of life and had an important bearing on progress and thought. He thought the Society had been peculiarly fortunate in the representative who had been sent to America. From the address they had learned a great deal about American pharmacy. They had all enjoyed the fruits of Mr. Linstead's keen observation, his critical eye, his pretty wit and his comprehensive mind. They welcomed him because he was secretary of the Pharmaceutical Society, but also for his own sake, because of the friendly feelings which they had towards him personally. They hoped to see him again soon.

The vote of thanks was passed with acclamation, and was acknowledged by Mr. Linstead.

Wholesale Photo Finishers' Association

THE annual general meeting of the Wholesale Photo Finishers' Association was held in London on December 8. Mr. C. E. Houghton, the president, occupied the chair. After welcoming the members present, the chairman dealt with the Executive Committee's report, the adoption of which was proposed by Mr. W. Hudson (Skegness), seconded by Mr. G. P. C. Vallance (Mansfield), and carried unanimously. Presenting the audited accounts, the treasurer, Captain Will G. Barker, commented that had it not been for a contribution of £119 19s. received from the manufacturers there would have been a deficit. Mr. J. H. Bailey (London) proposed the adoption of the accounts. This was seconded by Mr. A. W. Richardson (London) and carried unanimously.

AMENDMENTS TO RULES

All the amendments to rules were passed as printed on the agenda paper. These provide for the admission of retail associate members, also overseas members, at a subscription of 10s. per annum, and for the election of a representative of each Branch of the Association to membership of the Executive Committee.

CONTROL OF RETAIL D. AND P. PRICES

The CHAIRMAN stated that the manufacturers had expressed their willingness to give every assistance in devising any practical scheme of control. Progress was being made in the negotiations which were necessarily slow in a scheme of such far-reaching importance and difficulty; it was hoped eventually to put into operation some plan which would greatly improve the position of the trade worker.

ELECTION OF OFFICERS

Before this item was dealt with, in order to ascertain the feeling of the meeting, Mr. A. W. RICHARDSON (London) outlined the proposals of a subcommittee which had considered the subject, as follows:—

(i) That Mr. C. E. Houghton be asked to continue to act as president of the Association for another year, this being taken as a precedent to appoint future presidents

to sit for two years in order to secure continuity of policy.

(ii) That, for the same reason, a president-elect should be appointed at the annual general meeting to continue in office for the same period as the president and to take over the presidency in the third year.

(iii) The president on retirement to become past-president for two years, and to act as chairman of subcommittees appointed during that period.

(iv) That four members of the Executive Committee of twelve should retire each year.

(v) That a Fellowship of the Association should be created, to be granted only on the unanimous vote of the Council: no officer to be eligible for Fellowship whilst serving, and not more than one Fellowship to be conferred in any one year.

The majority of those present were in favour of the proposals. The officers and new committee were elected as follows:—*President*, C. E. Houghton; *Vice-President*, A. R. Cross; *Executive Committee*, J. H. Bailey (London, S.E.), Will G. Barker (London, S.W.), B. L. Bradford (Eastbourne), L. Buzzard (Bristol), H. D. Gillham (London, E.), D. Gordon (London, S.W.), C. M. Hepworth (Hampton Hill); J. C. A. Redhead (London, W.C.), A. W. Richardson (London, W.C.), G. P. C. Vallance (Mansfield), J. Wilson (Southport), C. B. Woollons (London, N.W.).

It was agreed that Mr. Godfrey should be thanked for his services to the Association during the past year.

The Afternoon Session

The afternoon session, which had been thrown open to all trade workers, whether members or not, was occupied in discussion of the following subjects:—

D. AND P. PRICES FOR 1933

Mr HOUGHTON, opening the discussion, stated that the feeling of the committee was that prices for developing and contact prints were right and that no benefit could be obtained by any alteration. In regard to enlargements, a request had been received from one of the multiple chemists that these be reduced in price, but the committee had been successful in obtaining

the consent of this firm to the retention of the present prices for the forthcoming year. In return, a promise had been made that the Association would do all in its power to get its members to produce specially attractive lines in enlargements in order to increase materially the number of sales. Should this not succeed this firm of chemists might reduce the charge for enlargements in 1934. The general opinion of the meeting was that the present prices were right, but that the public did not want the ordinary unmounted enlargement whatever the price, and that the only method to increase sales was to put out special and mounted lines.

Mr. F. J. YOUNG (Leicester) argued that amateurs did not clearly realise the difference between the big print and an enlargement, and that consequently they considered the charge for a quarter plate enlargement to be too high when compared with that of a big print of the same size. In this connection Mr. Pollock (Belfast) expressed the hope that a fixed price for the big print would be included in the recommended scale.

After discussion the general opinion of the meeting was taken, and it was agreed: "That no alterations or additions should be made to the P.D.A. and W.P.F.A. Recommended Scale for 1933."

PUBLICITY MATERIAL FOR 1933

Mr. A. R. CROSS (Enfield) pointed out that one of the chief difficulties he had encountered in connection with the Association's streamers was to get the retailer to display them in his window. On the other hand, it has been found that some retailers, who had discontinued the service of a member, were still showing Association publicity material, and as this was coupled in some instances with "cutting" rates it gave a bad impression to dealers and finishers in the district. This difficulty of obtaining the return of show material, would be overcome in the future by the publication of the following paragraph on further issues of publicity material:—"All rights in this publicity matter are reserved and any licence or authority granted for the use thereof is subject to revocation at any time." This clause could also be used by members on their own showcards and publicity material.

Mr. P. S. EASTMAN (Salisbury) urged that a photographic association, such as the W.P.F.A., should issue a purely photographic poster, and that it would be preferable to the coloured ones circulated during the last three years.

Mr. B. L. BRADFORD (Eastbourne) concurred, but pointed out the greater expense involved.

Members proved by a show of hands that they would appreciate a photographic streamer, and it was left to the committee to produce samples of each type.

SNAPSHOT COMPETITION FOR 1933

Several members stated that they were disappointed with the competition which had this year been organised in collaboration with "Home Chat." The secretary reported that less than one-third of the usual number of entries had been received, owing to the fact that a copy of "Home Chat" had to be purchased in order to forward an entry. It was agreed:—"That the final decision regarding a competition for 1933 be left in the hands of the committee," but it was apparent that many members would prefer the Association to produce an attractive line of wallet "stuffers" calculated to pull in enlargement orders, and the committee be asked to investigate the possibility of producing these for sale to members.

THE FUTURE OF THE D. AND P. TRADE

Mr. H. D. GILLHAM (London, E.) said that he had found the volume of trade during the last season had been extremely good having regard to the general trade depression. He felt that this was largely due to the fact that the amateur was at last appreciating quality of work and that he preferred good work at a reasonable price to poor work at a lower price. This would inevitably solve the problem of the price-cutter. The finisher's first consideration, however, should be to persuade the dealer, usually a chemist, that D. and P.

was really very much more than the side line he at present made it.

Mr. BAKER (Willesden) said that in his opinion the future lay in getting through the dealer to the customer, and that this could best be achieved by the use of "stuffers."

Mr. B. L. BRADFORD (Eastbourne) related that it had been found advantageous to lend a girl (from the D. and P. works) who seemed likely to make a good saleswoman, to a customer during the slack months, to sell enlargements. The salary being paid by the finisher, the dealer was involved in no expense, but only asked to allot a small space in his shop. By giving the girl a small commission on each enlargement sold she was encouraged to do her best, and the scheme usually resulted in a considerable increase in enlarging business.

Mr. G. P. C. VALLANCE (Mansfield) found that the retail shops owned by trade workers did a much larger percentage of photographic business than those run by dealers only, and that this was due to the fact that the trade worker saw that a competent salesman was in charge of the photographic counter, while in the case of many a dealer the selling of photographic goods was left to anyone who happened to be at the counter at the moment. In his opinion, during the rush months of the summer the dealer had not time to sell D. and P. beyond taking in the regular orders, and that during this period more could be accomplished by the use of "stuffers."

Captain BARKER was also of the opinion that the whole future of the trade was in the hands of the finishers. One method of selling which he had proved to be a complete failure was a display of enlargements in the dealers' windows. This certainly attracted the attention of the public, but as few, if any, of them carried their negatives in their pockets, they usually passed on and forgot all about it or in some cases thought better of it. The only way to sell more beyond the initial order was to push the goods while the amateur had the negative in his hand.

Mr. RICHARDSON said he was pleased to note the attitude of optimism, and that there had only been one reference to price-cutting. Dealers, in his opinion, were tending less and less to regard D. and P. as a side-line, and were now becoming a little afraid of it. Another scheme that had also proved a success was to ask the customer to lend any particularly good negative in order to make an enlargement from it for display purposes. Most amateurs were very willing to do this, and when shown the completed enlargement were prepared to buy one. He felt he could not sufficiently stress the importance of selling only one thing at one time. The dealer had not the space, the inclination, nor the capacity to deal with more than one line of special photographic goods. The ideal "stuffer" showed only one thing at one price.

New Books

Ullmann, F.—*Enzyklopädie der technischen Chemie*. Vol. VIII. (Natriumverbindungen-Salophen.) 10½ in. by 7½ in. Pp. 864. Marks 50. Verlag von Urban & Schwarzenberg, Berlin and Vienna. [The eighth volume of the new and revised edition of Ullmann's compendium of applied chemistry shows that the high standard of the work is fully maintained. The following subjects, *inter alia*, are dealt with in the form of comprehensive monographs:—Sodium compounds; nickel; ovens; opium alkaloids; organo-therapeutic preparations; oxalic acid; ozone; paper; perfumes; pepsin; phenol; phosphorus; photography; plastic compounds; platinum; yeast; pumps; quartz glass; mercury; radio-activity; reduction; reproduction processes. The details of manufacturing processes, with numerous illustrations of apparatus, references to the literature and to patents, render the work particularly valuable to those in search of such information, not to mention the wide range of other data, scientific, commercial and statistical embodied in the individual monographs.]

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, December 22

WITH the approach of the holidays and the close of the year, the markets have been rather subdued this week, but business has been moving on fair lines on spot. The general tone is steady, except that those products which are affected by sterling fluctuations have reacted to slightly lower levels with the further improvement in the £. In the pharmaceutical chemicals market the chief alteration in prices is a not unexpected advance of twopence per lb. in aspirin. The scale of prices for hydroquinone has been withdrawn pending the issue of a new scale in the new year. Quinine salts are down on the week, and a further reduction is looked for if the £ continues to recover. Makers' quoted price for citric acid B.P. is cheaper. Makers' prices for phenolphthalein have been withdrawn. Business in crude drugs has been quiet, with the markets mostly steady. Shipment prices for Japanese camphor are cheaper. There has been a better demand for Spanish ergot. Ipecacuanha is dull. In essential oils business has been fair, and chiefly composed of small spot orders. "Red Ship" anise is dull and unsteady. Bergamot is still moving down. Bois de rose, West Indian lime and petitgrain are firm items. Japanese peppermint is receiving some attention, and both spot and shipment are quite steady. Makers' prices for English almond oil are dearer. Some changes in prices for industrial chemicals are noted. Red and white leads are much cheaper. Oxalic acid is dearer. Sal ammoniac is easier and acetic acid is dearer. Coal-tar products are about unchanged. Fixed oils have been quiet all the week with quoted values barely maintained.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	December 22	Value of the £
Amsterdam ..	Fl. to £	12.107	8.31½	13/9
Berlin ..	Mks. to £	20.43	14.00½	13/8½
Brussels ..	Belga to £	35	24.12	13/9½
Copenhagen ..	Kr. to £	18.159	19.29½	21/3
Lisbon ..	Esc. to £	110	110	20/0
Madrid ..	Ptas. to £	25.22½	41	32/2
Milan ..	Lire to £	92.46	65½	13/10½
Montreal ..	Dol. to £	4.86½	3.84	15/9½
New York ..	Dol. to £	4.86½	3.34	13/8½
Oslo ..	Kr. to £	18.159	19.40	21/4½
Paris ..	Fr. to £	124.21	85½	13/9½
Prague ..	Kr. to £	164.25	113	14/7
Stockholm ..	Kr. to £	18.159	18.32½	20/2
Warsaw ..	Zloty to £	43.38	29½	13/11½
Zurich ..	Fr. to £	25.2215	17.33½	13/9

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

As a result of the improvement in sterling exchange rates a number of products drawn from foreign sources are quoted easier. The scale of prices for aspirin has been advanced. Makers' price for quinine sulphate has been reduced a penny, and other quinine salts are also proportionately cheaper. Phenacetin is irregular and the future is uncertain. Makers' prices for phenolphthalein are nominal at the moment, having been withdrawn. Citric acid B.P. is quoted cheaper by home makers.

ACETANILID.—Business is slow; market steady: B.P. crystals and powder, 1s. 5½d. to 1s. 8d. per lb. as to quantity.

AMIDOPYRIN.—Spot values are easier with the recovery in sterling: crystals, five cwt., 18s. 10d.; two cwt., 19s.; less than two cwt., 20s. 6d. per lb., with powder 2½d. per lb. extra.

ASPIRIN.—Due to the sharp advance in the cost of raw material, makers' prices have been advanced twopence per lb., as follows: home trade, ten cwt., 2s. 9d.; five cwt., 2s. 10d.; one cwt., 2s. 10½d.; 23 lb., 2s. 11d.; 14 lb., 3s.; 7 lb., 3s. 4d. per lb. Export to Colonies and British Possessions: ten cwt., 2s. 9d.; five cwt., 2s. 10d.; one cwt.,

2s. 10½d. per lb. f.o.b.; less than one cwt., 2s. 11d. per lb., ex works.

BARBITONE.—Spot values quoted by dealers are cheaper with the improvement in sterling: spot, one cwt., 11s.; 55 lb., 11s. 3d.; 14 lb., 11s. 8d.; small parcels, up to 12s. 6d. per lb.

BENZOIC ACID (B.P.).—A fair business is being done; market steady: quantities ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 1d. per lb. ex store, as to quantity.

BISMUTH SALTS.—Makers' prices for these salts are unchanged.

BROMIDES.—Makers' and dealers' prices are steady and a moderate business is being done: ammonium, not less than five cwt., 1s. 9d.; one cwt., 1s. 10d.; smaller quantities, 2s. 1d. per lb.; potassium, B.P. crystals and granular, not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; smaller quantities, 1s. 10d. per lb.; sodium, B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; smaller quantities, 2s. per lb. net without engagement. Special prices for larger quantities.

CALCIUM LACTATE.—The market is competitive for a rather limited business: spot, one cwt., 1s. 1½d.; 56 lb., 1s. 2½d.; 28 lb., 1s. 3½d.; smaller parcels, up to 1s. 6d. per lb.

CHLORAL HYDRATE.—Makers' prices for home trade are unchanged: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 4d.; one cwt., 3s. 5d.; 56 lb., 3s. 6d.; 28 lb., 3s. 7d.; 14 lb., 3s. 8d. per lb.; 23-lb. jars, one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—British makers' quoted price for home consumption is cheaper at 9½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are quoting at about the same figure.

CREAM OF TARTAR.—With a fair business the market is steady, with home makers quoting 99 to 100 per cent. material at 87s. per cwt., less 2½ per cent. discount, nominal and without engagement. Dealers are quoting at about the same figure.

GUAIACOL CARBONATE.—The spot market is a point cheaper with dealers quoting about 8s. 3d. to 8s. 6d. per lb. as to quantity.

HEXAMINE.—Business is fairly good with keen prices quoted for any bulk quantity: spot, ten cwt., 2s. 2½d.; two cwt., 2s. 4d.; one cwt., 2s. 4½d.; smaller quantities, up to 2s. 6d. per lb.

HYDROQUINONE.—Quoted prices are nominal at former rates, with key industry duty payable on imports on and from January 1 next. Spot, ten cwt., 5s. 1½d.; five cwt., 5s. 2½d.; two cwt., 5s. 3d.; one cwt., 5s. 3½d.; 56 lb., 5s. 4½d.; 23 lb., 5s. 6½d.; 14 lb., 5s. 8½d.; 7 lb., 5s. 10½d. per lb., carriage paid. All prices withdrawn pending the issue of a new scale in the new year.

IODIDES.—Makers' prices continue at the advance recorded at the beginning of the month.

LACTIC ACID (B.P.).—Business is not of much account, quoted prices unchanged: quantities in carboys, 1s. 5½d. to 1s. 6d.; in demijohns, about 1s. 7d.; in winchesters, 1s. 8½d. to 1s. 9d. per lb. as to quantity.

MERCURIALS.—There is no change in makers' prices.

METHYL SALICYLATE (B.P.).—Market continues firm, with a very fair business passing: one ton and over, 1s. 4½d.; ten cwt., 1s. 5d.; five cwt., 1s. 5½d.; one cwt., 1s. 6d.; less than one cwt., 1s. 6½d.; smaller quantities in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Rather cheaper on spot with the recovery in sterling exchange rates: spot, two cwt., 20s. 2d.; one cwt., 21s.; 56 lb., 21s. 8d.; small parcels, 22s. 6d. per lb.

MILK SUGAR.—Prices for Continental material continue at about the recent advance: one ton, 52s. 6d.; ten cwt., 54s.; two cwt., 56s. per cwt., in two-cwt. cases.

PHENACETIN.—The market is disturbed and values are nominal, with some very cheap cellers.

PHENAZONE.—The spot market is easier with the better sterling exchange: spot, crystals, ten cwt., 9s. 10d.; five cwt., 10s. 2d.; two cwt., 10s. 4d., and less, up to 11s. 3d. per lb., with powder 2½d. per lb. extra.

PHENOLPHTHALEIN.—Makers' agreed prices are nominal: five cwt., 3s. 10d.; two cwt., 3s. 11d.; one cwt., 4s.; 28 lb., 4s. 3d.; 14 lb., 4s. 6d.; 7 lb., 4s. 9d.; smaller parcels, up to 5s. per lb.

POTASSIUM SULPHOGUAIACOLATE.—Dealers' prices are easier with spot quoted from 4s. 8d. to 5s. 3d. per lb., as to quantity.

QUININE SULPHATE.—The Convention price has been reduced to 2s. 6d. per oz., carriage paid on bulk quantities. Hydrochloride, 3s. 1d.; hydrobromide, 3s. 1d.; salicylate, 3s. 3d.; alkaloid, 3s. 5d.; phosphate, 3s. 10d.; hypophosphite, 4s. 5d.; valerianate, 4s. 10d. per oz., carriage paid on bulk quantities.

RESORCIN.—The market is fully steady and may advance with the imposition of key industry duty on imports on and from January 1 next: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., 6s. per lb., with powder 3d. per lb. extra.

SALICYLIC ACID (B.P.).—Makers' prices are steady, business fair: one ton, 1s. 7d.; ten cwt., 1s. 7½d.; five cwt., 1s. 8d.; one cwt., 1s. 8½d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10d.; 7 lb., 2s. per lb., and higher prices for smaller quantities.

SALOL.—Business is of no importance, market quoted unchanged: spot, crystals, two cwt., 5s. 9d.; one cwt., 5s. 11d.; 56 lb., 6s.; smaller parcels, 6s. 1½d. per lb.; powder, 2d. per lb. extra.

SANTONIN.—The recently agreed prices are keeping steady with very little outside material available. Quoted from 125 American dollars per kilogram for not less than 50 kilogram up to 162 dollars for one kilogram, carriage paid, package free, net cash thirty days. Higher prices for smaller quantities, packages extra.

SODIUM DIETHYLBARBITURATE.—The market is steady, business limited: spot, one cwt., 12s. 9d.; 56 lb., 13s.; 28 lb., 13s. 3d.; 14 lb., 13s. 6d.; 7 lb., 13s. 9d.; smaller parcels, up to 14s. per lb.

SODIUM SALICYLATE (B.P.).—The market continues fully steady as quoted by makers and dealers; business is moving on a fair scale: home trade, powder, two tons, 2s.; one ton, 2s. 0½d.; ten cwt., 2s. 1d.; five cwt., 2s. 2d.; one cwt., 2s. 3d.; 28 lb., 2s. 4d.; 14 lb., 2s. 6d.; 7 lb., 2s. 7d.; 1 lb., 2s. 8d. per lb., with crystals 1d. per lb. extra.

SULPHONAL.—Dealers' spot prices have moved back with better sterling exchange rates: crystals, two cwt., 16s. 3d.; one cwt., 16s. 10d.; 56 lb., 17s. 2d.; smaller parcels, up to 18s. 6d. per lb., with powder 2d. per lb. extra.

TARTARIC ACID (B.P. CRYSTALS).—The home trade quotation from British makers is unchanged at 10½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering spot at about the same figure.

THYMOL.—Business is very quiet and the market is rather easy: synthetic, fine white, one cwt., 5s. 6d.; 56 lb., 5s. 7½d.; 28 lb., 5s. 9d.; 14 lb., 6s. per lb.; ex ajowan seed, one cwt., 7s. 3d.; 56 lb., 7s. 4½d.; 28 lb., 7s. 6d.; 14 lb., 7s. 9d. per lb.

VANILLIN.—A fair business is being done, and the market is steady as quoted for ex guaiacol; clove oil vanillin is at about competitive prices for quantities; ex guaiacol, one ton, 14s. 3d.; ten cwt., 14s. 6d.; five cwt., 14s. 9d.; three cwt., 15s.; one cwt., 15s. 3d.; 56 lb., 15s. 6d.; 28 lb., 15s. 9d.; 14 lb., 16s.; less, 16s. 3d. per lb.

Crude Drugs, etc.

AGAR-AGAR.—The market is neglected and unsteady. Spot, Kobe No. 1, 2s. 6d.; No. 2, 2s. 4d.; Yokohama No. 1, 2s. 4d. per lb. Shipment, Kobe No. 1, 2s.; No. 2, 1s. 9d.; Yokohama No. 1, 1s. 9d. per lb. c.i.f.

BALSAMS.—Occasional small business, with the market steady. *Tolu*, 3s. 5d. to 3s. 6d.; Canada, 3s. 4d. per lb.

BUCHU.—Market is fully steady, and bala business continues. Good green rounds, 1s. 3d. to 1s. 4d.; fair to medium, 1s. to 1s. 2d.; ovals, 8½d. to 9½d. per lb., as to quality.

CAMPHOR.—The spot market is unchanged on quotation, business small. Shipment is easier. Spot, slabs, 2s. 3d.; flowers, 2s. 3d.; tablets, 2s. 9d. per lb. Shipment; slabs, 1s. 10½d.; flowers, 1s. 11d.; tablets, 2s. 4½d. per lb. c.i.f. English refined is quoted unchanged: flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz. and ¼ oz., 3s. 6d. per lb.; special prices for contracts for quantities.

CASCARA SAGRADA.—This market continues firm. Spot, 1932 peel, 60s.; 1931 peel, 67s. 6d.; 1924 peel, 80s. per cwt. Shipment is maintained at 62s. 6d. per cwt. c.i.f., for 1932 peel in minimum car-load lots.

CHAMOMILES.—The spot market tends to harden in view of the very few forward offers now being made.

CLOVES.—The market has been dull, and is quoted easier. Zanzibar, spot, 6½d.; shipment, January-March, 6d. per lb. c.i.f. Madagascar, spot, cheaper at 6½d. per lb.

The landings of Zanzibar in London during the week ended December 10 were 101, and the deliveries 26, leaving a stock of 1,033, against 724 in 1931. From January 1 to date landings of Zanzibar have been 5,517, against 3,650 in 1931, and the deliveries 6,467, against 3,923 in 1931. Landings of Madagascar for the week ended December 10 were nil and the deliveries 21, leaving a stock of 1,176, against 647 in 1931. Landings of Madagascar this year to date have been 814, against 2,290 in 1931, and the deliveries 616, against 2,474 in 1931.

COCONUT (DESICCATED).—The market has been dull and spot and shipment is quoted cheaper. Spot, fine, 25s. 9d.; medium, 24s. 9d.; shipment, 24s. 9d. per cwt. c.i.f.

COD-LIVER OIL.—The market has been quieter for shipment business, but prices are steadily maintained. Finest Lofoten steam-refined non-freezing medicinal oil, 94s. to 95s. per barrel, c.i.f. A fair demand for spot oil with the price for best brands about 110s. per barrel, ex store, duty paid. Some brands may be cheaper.

Exports from Newfoundland for the period August 1 to November 4 totalled 115,289 gallons, as compared with 99,720 gallons for the same period of 1931.

ERGOT.—There has been a good demand for Spanish this week. Russian and Portuguese still dull. Prices continue at former rates.

GELATIN.—The market is steady and a moderate business is being done: spot, gold leaf, 2s. 2d.; silver leaf, 2s.; bronze leaf, 1s. 9d.; thin leaf, 1s. 8d. per lb., in cwt. lots.

GINGER.—Business has been rather poor. West African, spot, 21s.; for arrival, 19s. per cwt. c.i.f.

GUM ACACIA.—The market is quoted dearer. Spot, Kordofan cleaned sorts, 37s.; natural, 35s. 6d.; bleached, 74s. to 75s. per cwt. Shipment, Kordofan cleaned sorts, 31s. 3d.; natural, 29s. 9d. per cwt. c.i.f.

HONEY.—Business has been quiet this week, but the market is very steady. Jamaican, fair to good pale, 52s.; manufacturing dark liquid, 32s. to 33s.; Californian white clover, 55s. per cwt.

IPERCACUANHA.—Market is neglected and unsteady. Matto Grosso, 5s. 2d. to 5s. 3d. per lb., and possibly less for good quantities.

MENTHOL.—The spot market is dull and unchanged, with K/S brands at 18s. 3d. per lb., and less for bulk quantities. Shipment is attracting some attention, and the market is steady: October-December, 16s. 3d.; January-March, 16s. 6d. per lb. c.i.f.

MERCURY.—The market is steady, business fair. Spanish-Italian for shipment, 35 dollars per bottle, f.o.b. Continental port. Spot, from 36 dollars per bottle, ex store.

OPIMUM.—Market remains quiet and steady, with shipment at 1s. 2d. per unit, landed and duty paid.

PEPPER.—The market is well maintained and steadier. Lampong, spot 6d.; shipment, October-December, 4½d.; January-March, 4½d. per lb. c.i.f. Tellicherry, spot, 6½d.; shipment, January-March, 4s. 6d. per lb. c.i.f. Aleppy, spot, 6½d.; shipment, January-March, 4s. c.i.f. White Muntok, spot, 6½d.; shipment, October-December, 5½d.; January-March, 5½d.; March-May, 5½d. per lb. c.i.f.

PIMENTO.—The market has been slow and is a point easier. Spot, 3½d. per lb.; shipment, January-March, 25s. per cwt. c.i.f.

RUBBER.—Values for all positions are about unchanged on the week. U.K. stocks total 93,229 tons against 94,692 tons last week and 128,516 tons a year ago. Standard ribbed smoked sheet, solers, spot, 2½d.; December, 2½d.; January, 2½d.; January-March, 2½d.; April-June, 2½d.; July-September, 2½d.; October-December, 2½d. per lb.

SAFFRON.—Market is steady, with less business being done. Spot, primo B.P., 66s. 6d.; extra B.P., 58s. 9d.; super B.P., 56s. 6d. per lb.; and slightly less for bulk quantities.

SARSAPARILLA.—Business has been light; market steady. Native, mixed colours, 1s. 1d. to 1s. 2½d.; grey Jamaican, 1s. 9d. to 1s. 10d. per lb. as to quantity.

SEEDS.—ANISE.—Spanish, 53s.; Levant, 34s. per cwt. spot. CANARY.—Unchanged. Spot, Mazagan, 13s.; Tangier, 12s. 6d.; Kenitra, 12s. LINSEED.—Spot, Mazagan has been sold at 13s. 6d.; Morocco, quoted at 13s. CUMIN.—Quiet. Malta, 35s. spot, and Morocco, 32s. CORIANDER.—Morocco, 1929 crop, 15s. 6d.; wormy, 13s. 6d. to 14s. 6d. FENU—

GREEK.—MOROCCO, spot, 11s. 9d., and 10s. c.i.f. CARAWAY.—Dutch, 32s. 6d., duty paid. MUSTARD.—English, 22s. to 34s. per cwt., according to quality.

SENEGAL.—Very little doing; quoted unchanged. Spot, 2s. 2d.; shipment, 2s. per lb. c.i.f.

SENNA.—Business has been unimportant this week. Spot values of Alexandrian and Timnevely pods of all qualities are holding well up to former rates.

WAX (VARIOUS).—Business has been quiet in most products, with values about unchanged. CARNAUBA, fatty grey and chalky grey, is steady at 87s. 6d.; medium yellow is steady at 140s.; fine yellow is unchanged at 155s. CANDELLA steady at 75s. per cwt. SPERMACEI steady at 94d. per lb. spot. PARAFFIN is about steady at from 22s. 6d. to 50s. per cwt. as to melting point. CERESIN is quoted from 35s. to 80s. per cwt. as to colour and melting point. BEES' now very steady, with more inquiry on the market; bleached, discs, £7 10s.; slabs, £7 5s.; yellow refined is very steady at £5 15s.; yellow crude, 97s. 6d. per cwt. spot.

Essential Oils, etc.

BUSINESS has been on modest lines this week, with the market subdued. Japanese peppermint is steady and shipment inquiry is being received. Bergamot is falling away. Lime, petitgrain and bois de rose are firm markets.

ALMOND.—English sweet almond is quoted by makers at an advance of twopence this week; cwt. lots, 2s. 7d.; smaller quantities, up to 2s. 9d. per lb. Dealers are quoting bitter, s.a.p. at 7s. 3d. to 7s. 6d. per lb., as to quantity.

ANISE (STAR).—Market is dull and unsteady on spot; shipment easier: spot, "Red Ship," in leads, 1s. 10d.; in tins, 1s. 7½d.; in drums, 1s. 7d.; shipment, in leads, 1s. 8½d.; in tins, 1s. 6½d.; in drums, 1s. 6d. per lb. c.i.f.

BERGAMOT.—The market continues irregular and in buyers' favour. Spot, in the region of 7s. 9d. per lb., with shipment not more than 6s. 6d. per lb. c.i.f. for good quantities.

BOIS DE ROSE.—Cayenne on spot is nominal, with practically nothing available. Brazilian continues firm and in very limited supply on spot and for shipment, with values about 5s. 6d. per lb., spot.

CASSIA.—Market remains dull and is quoted unchanged. Spot, 3s. 8d. to 3s. 9d. per lb., as to quantity.

CEDARWOOD.—Market is steady and a moderate business is being done. Colonial, spot, 1s. 8½d. in drums and 1s. 9½d. per lb. in tins. American, spot, about 1s. 10½d. per lb. in drums, smaller quantities, up to 2s. 1d.; shipment, 1s. 8½d. per lb. c.i.f.

CITRONELLA.—This market has been rather dull, and is a point easier. Ceylon, spot, 2s. 1d. to 2s. 2d.; shipment is now quoted at about 1s. 10½d. per lb. c.i.f. Java is also cheaper, with spot at 2s. 11d. to 3s., with shipment at about 2s. 7d. per lb. c.i.f.

CLOVE.—Dealers are quoting spot Madagascar at about 3s. 9d. per lb.; shipment, in quantities, 3s. 2d. per lb. c.i.f. English is quoted from 4s. 9d. to 5s. 4d. per lb., as to make and quantity.

EUCALYPTUS.—Business has been rather quieter but the market is steady: Australian, 70 to 75 per cent., 1s. to 1s. 0½d.; 80 to 85 per cent., 1s. 1d. to 1s. 1½d. per lb., and less for bulk quantities. Spanish, 70 to 75 per cent., 1s. 2d. per lb.

GERANIUM.—The shipment market for Bourbon is now cheaper, with the better exchange, and at about 22s. per lb. c.i.f. Spot is at about 23s. per lb., with some offers at less. Algerian for shipment is reported firm, with supplies of pure oil scarce and fully 24s. 6d. per lb. c.i.f.

LAVENDER.—There is no change to record in the shipment prices for new crop French of the best brands, as follows: 50 to 52 per cent., 10s. 6d. to 10s. 9d.; 40 to 42 per cent., 9s. 3d. to 9s. 6d.; 38 to 40 per cent., 8s. 9d. to 9s.; 36 to 38 per cent., 8s. 3d. to 8s. 6d.; 30 to 32 per cent., 7s. 6d. to 7s. 9d. per lb., delivered, and slightly less for bulk quantities. Some offers are cheaper.

LEMON.—Dealers' prices for shipment of new crop Sicilian hand-pressed are about unchanged from 4s. 2d. to 6s. per lb. c.i.f. as to brand and quantity. Spot business is of small account, with sellers at anything from 4s. 3d. to 6s. 3d. per lb. Californian, in large drums, 48 cents; in small drums, 49 cents per lb., spot.

LIME.—This market is well maintained and firm, with supplies of West Indian very short: quoted on spot from 36s. to 39s. per lb. Shipment is nominal, with very little offering.

ORANGE.—The chief interest in shipment business, which is limited, is centred round the French Colonial product. Sicilian sweet, new crop, 5s. 9d. to 6s. 9d. per lb., c.i.f.,

as to brand and quantity. Spot is at 6s. to 7s. per lb. French Colonial is offering in the region of 4s. per lb. c.i.f. West Indian, about 5s. per lb. c.i.f. Californian, spot, 66 cents to 75 cents per lb., in drums, as to quantity.

PEPPERMINT.—Limited quantities could be obtained on spot at from 6s. 7½d. per lb. for Japanese demerolised. The shipment market is steady and there is a fair inquiry. October-December, 6s. 6d.; January-March, 6s. 9d. per lb. c.i.f. Cables from Japan indicate firmer conditions. American peppermint for shipment is steady, with the quotation for best brands at 1 dollar 95 cents per lb. c.i.f. in drums.

PETITGRAIN.—Most spot holders are now asking 4s. 10d. to 5s. per lb., and some higher prices. The shipment market continues firm, with supplies available limited and at high prices.

SPERMINT.—Business on spot is very poor and the market is none too steady. Spot, 7s. 9d. to 8s. per lb. as to quantity.

SPIKE.—A moderate business is being done, with the market steady. Spanish, on spot, 3s. 3d. to 3s. 6d. per lb. as to quantity. Shipment is at 3s. 2d. per lb. c.i.f.

VETIVER.—This market is firm and dearer, with spot supplies very limited: quoted from 17s. 9d. to 18s. per lb.

The following quotations are current for synthetics, etc.: Acetophone, 6s. 3d. to 6s. 6d. per lb.; amyl acetate, pure, 125s. per cwt.; technical, 115s. per cwt.; amyl salicylate, 2s. 2d. per lb., in cwt. lots; aubepine, ex para cresol, is steady at 8s. 3d. to 9s. per lb.; benzaldehyde, f.f.c., 2s. 1d. to 2s. 6d. per lb.; benzyl acetate, f.f.c., 1s. 5d. to 1s. 9d. per lb.; benzyl alcohol is steady at 1s. 11d. to 2s. 3d. per lb.; bromistrol, 100 per cent., is holding steady at 11s. 4d. to 11s. 6d. per lb.; butyric acid, 3s. 3d. to 3s. 6d. per lb.; citral, chemically pure, 8s. to 8s. 6d.; coumarin, 13s. to 14s. per lb.; ethyl phthalate, 2s. 3d. to 2s. 9d. per lb.; eugenol, 7s. 10d. to 8s. 6d. per lb.; geraniol, ex palmarosa, 16s. to 18s. per lb.; heliotropin, 100 per cent. crystals, is now quoted at 5s. 4d. to 6s. per lb., as to quantity, iso eugenol is unchanged at 10s. to 10s. 6d. per lb.; methyl anthranilate, 6s. 6d. to 7s. 6d. per lb.; mirbane, 8½d. to 10d. per lb.; musk ketone, 29s. 10d. per lb., with bonus for quantities; phenyl ethyl alcohol, 8s. to 8s. 9d. per lb.; safrol is steadier at 1s. 8d. to 2s. per lb.

Industrial Chemicals, etc.

BUSINESS has been rather restricted of late, but the general tone is steady. Some grades of acetic acid are dearer. Red and white leads have been substantially reduced by the Convention. Sal ammoniac is cheaper. Chlorates are dull. Oxalic acid is quoted dearer. ACETIC ACID.—Prices for the 80 per cent. acid have been advanced £1 per ton. Market steady: 80 per cent., technical, £38 5s.; 80 per cent. pure, £39 5s. per ton, in barrels; glacial, pharmaceutical, 99 to 100 per cent., £59, in glass demijohns; glacial, in barrels, £48 per ton, carriage paid in U.K. ACETONE, B.G.S.—Business is fair and the market continues steady: £65 to £68 per ton, in drums, carriage paid in U.K., less for large quantities. AMMONIA (ANHYDROUS).—Average small business is being done with the market steady: 99.95 per cent. material, 11d. to 1s. 3d. per lb., in loaned drums, carriage paid, and less for important contracts. AMMONIUM CHLORIDE.—Dealers' prices for grey galvanising are cheaper: grey galvanising, £19 to £19 10s. per ton, in casks, ex store. ARSENIC.—Continental white powdered is offering at about £20 10s. per ton, ex wharf, and about £19 10s. c.i.f. Australian is quoted at £17 15s. per ton. c.i.f. BLEACHING POWDER.—Makers' price for home trade for 35 to 37 per cent. chlorine is steady at £8 15s. per ton, in softwood casks, carriage paid. BORAX.—Makers' home trade prices are as follows: commercial granulated, £15 10s.; crystals, £16 10s.; powdered, £17; extra fine powder, £18; B.P. crystals, £24 10s.; powdered, £25; extra fine, £26 per ton, packed in one-cwt. bags, carriage paid. BORIC ACID.—Makers' prices for home trade are steady, as follows: commercial granulated, £26 10s.; powdered, £28 10s.; extra fine, £30 10s.; large flakes, £39; B.P. crystals, £35 10s.; powdered, £36 10s.; extra fine, £38 10s. per ton for one-ton lots and upwards in free one-cwt. bags, carriage paid. FORMALDEHYDE.—Keen competition for a fair business: 40 per cent. by volume, £23 to £23 10s. per ton, in casks, ex store. ISOPROPYL ALCOHOL.—The usual small quantity business is being done: first quality, ex acetone, 11s. 6d. to 12s. per gallon, in drums, carriage paid; ex "cracked petroleum" qualities, 9s. to 9s. 6d. per gallon.

LEAD ACETATE.—Market has been very dull for some time: brown, £31; white, £33 per ton, in casks, ex store. LITHOPONE.—A fair business is being done, market steady: 30 per cent. Continental red seal, £20 per ton, ex store. OXALIC ACID.—The market is again quoted dearer with quantities

at £50 per ton; small lots, about 54s. to 57s. 6d. per cwt., spot. POTASH CAUSTIC (83 to 92 per cent., solid).—Dealers' prices are steady, business limited: quoted from £38 10s. to £40 10s. per ton, in drums, ex store, as to quantity. POTASSIUM CARBONATE.—Business is still rather restricted, dealers' prices steady: 90 to 92 per cent., £33 10s. per ton; 96 to 98 per cent., £35 7s. 6d. per ton, in casks, ex store; slightly lower prices for contracts. POTASSIUM CHLORATE.—The demand is small, market a point cheaper: quantities, minimum one ton, £36 10s. per ton; small quantities, 4½d. to 5½d. per lb., ex store. POTASSIUM PERMANGANATE.—Dealers are doing a fair business in limited quantities: commercial quality, in two-cwt. drums, 8½d. to 8¾d. per lb., ex store. POTASSIUM PRUSSIAN.—Dealers' prices are steady, business fair: yellow, £77 5s. to £80 per ton, as to quantity. RED LEAD.—English, 5/10 cwt., £27 10s.; 10 cwt./1 ton, £27 5s.; 1/2 tons, £27; 2/5 tons, £26 10s.; 5/20 tons, £26; 20/100 tons, £25 10s.; over 100 tons, £25 per ton, less 2½ per cent., carriage paid; non-setting red lead, 10s. per ton dearer in each case; Continental material, £1 per ton cheaper; Convention prices have been reduced £2 per ton. SAL AMMONIAC.—Dealers' prices are quoted cheaper, business is slow: dog-tooth crystals, £35 5s.; medium, £31 5s.; fine white crystals, £17 15s. per ton, in casks, ex store; slightly less for contracts. SALTCAKE continues in good demand and steadily quoted at 62s. to 63s. per ton, in minimum truck lots, in bulk, carriage paid. SODA CAUSTIC.—Makers' prices for home trade are unchanged: 70 to 72 per cent., £13 12s. 6d.; 76 to 77 per cent., £14 per ton, in drums, carriage paid on contracts. Spot, 10s. per ton, extra. SODA CRYSTALS (CARBONATE).—Makers' price for home trade is unchanged at £5 5s. per ton, in bags, f.o.r. works. SODIUM ACETATE.—The market is fully steady and tends to advance from the present figure of £22 per ton, in casks, ex store. SODIUM BICARBONATE.—The home trade price quoted by makers is steady: refined, in bags, £10 10s. per ton, carriage paid. SODIUM CHLORATE.—The market is dull and a point cheaper: quantities, £29 per ton; small parcels, from 3½d. to 4½d. per lb. ex store, as to quantity. SODIUM HYPOSULPHITE.—The market is quoted unchanged: dealers quote pea crystals, in one-cwt. kegs, £15 per ton; commercial quality, £9 10s. in casks, ex store; makers' price for pure crystals to home consumers on contract, £15 per ton, carriage paid to buyer's works. SODIUM PRUSSIAN.—Dealers are doing a moderate business, market steady: quantities, 5½d. to 5¾d. per lb.; smaller parcels up to 7½d. per lb., ex store. WHITE LEAD.—Dry, English, less than 5 tons, £37 10s.; 5/15 tons, £32 10s.; 15/25 tons, £32; 25/50 tons, £31 10s.; 50/200 tons, £31 per ton, less 5 per cent., carriage paid; Continental, £1 per ton cheaper; ground in oil, English, 1/5 cwt., £47; 5/10 cwt., £45; 10 cwt./one ton, £44 10s.; 1/2 tons, £43 10s.; 2/5 tons, £42; 5/15 tons, £39; 15/25 tons, £37 10s.; 25/50 tons, £37; 50/100 tons, £36 10s. per ton, less 5 per cent., carriage paid; Continental material, £2 per ton cheaper; Convention prices have been reduced £2 per ton.

Fixed Oils, etc.

A LITTLE more business has been transacted in these products this week, and prices in most instances are steadily maintained. Palm oils are cheaper, and the demand has been slower. ACID OILS.—Fairly steady with a limited business moving: coconut and/or palm kernel, 20s. 6d.; groundnut, 17s. 3d.; soya, 14s. 6d., spot. CASTOR.—Quoted prices are maintained, with business about average: pharmaceutical, 42s.; first pressings, 37s.; second pressings, 34s. (barrels); cases £4 per ton extra, ex mills, Hull, in not less than one-ton lots; Bombay, 32s. 3d. (drums) c.i.f. COCONUT.—Market is about steady, business fair: deodorised, 30s. 6d. (barrels), spot: Ceylon, 23s. 9d. (drums), c.i.f. GROUNDNUT.—The market is quoted slightly cheaper: deodorised, 37s. 3d. (barrels), spot; crude Oriental, 32s. 3d. (drums), c.i.f. LINSEED (RAW, NAKED).—Market has been mostly quiet; values are a point better on the week: on spot, 17s. 9d.; January, 16s. 10½d.; January-April, 17s. 6d.; May-August, 18s. 9d. Boiled oil, spot, 20s. 6d. OLIVE.—Business is not of much account; market quoted unchanged: edible, in tins in cases, 8s.; in drums, 5s. 6d.; B.P., 4s. 3d. per gallon, in 40-gallon barrels. PALM.—The market has lost some of the recent improvement, and business has not been so good: Lagos, 17s. 3d.; softs, 17s.; mediums, 17s. 6d.; hard, 18s.; bleached, 20s. 3d., spot. PALM KERNEL.—Market is steady but rather quiet: deodorised, 30s.; crude, 24s. 6d., spot. RAPE continues steady with the demand about average: refined, 33s.; crude, 31s., spot. RESIN.—Values are steadier; market dull: B, 12s. 9d.; D, 13s. 6d.; F/G, 14s. 3d.; N, 19s. 6d.; W/G, 21s. 6d.; W/W, 24s. per cwt., ex wharf. SOYA.—The market is quoted about level; business limited: deodorised, 29s. 3d.; crude, 25s. 6d., spot.

TURPENTINE (American).—Market firmer at better prices. Total London stocks, 23,431 barrels. On spot, 62s. 6d. WOOD.—Hankow in barrels on spot is a point cheaper at 51s. 6d.

Sudan Gum Acacia Exports

BOXALL & Co. report exports for October 1932 totalled 1,959 tons, compared with 1,165 tons in October 1931. Total exports for the period January-October 1932 were 15,530 tons, compared with 17,599 tons for the same period of 1931. The chief destinations were as follows:—

Destination	1931			1932		
	Jan.-Sept.	Oct.	Total	Jan.-Sept.	Oct.	Total
Great Britain ..	4,211	305	4,516	3,331	423	3,754
U.S.A. ..	2,785	132	2,917	1,728	318	2,046
France ..	1,906	113	2,019	2,149	217	2,366
Germany ..	1,642	144	1,786	1,501	359	1,860
Italy ..	975	209	1,184	1,024	149	1,173
Belgium ..	1,086	99	1,185	801	105	906
Japan ..	823	33	856	517	17	534
Spain ..	291	45	336	320	51	371
Holland ..	619	43	662	553	160	713
Sweden ..	679	6	685	117	8	125
Norway ..	46	—	46	48	4	52
Australia ..	414	10	424	531	16	547
New Zealand ..	31	2	33	41	2	43
China ..	273	—	273	141	27	168
Canada ..	74	—	74	78	18	96
British India ..	108	2	110	138	10	148
Denmark ..	48	4	52	88	5	93
Finland ..	19	—	19	34	2	36
Poland ..	67	1	68	32	2	34
Rumania ..	12	—	12	13	7	20
Turkey ..	14	1	15	21	4	25
Greece ..	19	4	23	26	9	35
Egypt ..	90	1	91	108	19	127
Dutch Indies ..	7	1	8	23	1	24
Argentina ..	55	—	55	97	5	102
Brazil ..	28	5	33	57	—	57

The export figures are made up of the following qualities:—

	Habab	Bleached	Talha	Total
October, 1931 .. tons	1,039	16	110	1,165
October, 1932 .. "	1,598	34	327	1,959
January-Oct., 1931 tons	16,498	212	889	17,599
January-Oct., 1932 .. "	14,072	158	1,300	15,530

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1932, p. 339.

(From "The Trade Marks Journal," December 14, 1932.)

"SYNOBEL"; for chemicals (1). By Nobel Chemical Finishes, Ltd., Imperial Chemical House, Millbank, London, S.W.1. 535,757. (Associated.)

"LACTOCOL" on label design; for a chemical glue substitute (1). By Lactocol, Ltd., Nungate, Peckham, S.E.15. 535,253.

"PYRIFER"; for a vaccine (3). By H. Rosenberg, 55 Bertholdstrasse, Freiburg im Breisgau, Germany. 534,081.

"CREPO"; for medical and surgical plasters (3). By Beiersdorf, Ltd., Bessemer Road, Welwyn Garden City, Herts. 534,485. (Associated.)

"SEAZONE"; for granulated or powdered seaweed preparations (3). By Clifton, Ltd., Martins Bank Chambers, Victoria Street, Douglas, I.O.M. 534,947. (Associated.)

"ENATIN"; for all goods (3). By Chemische Fabrik Helfenberg A.G. vorm. E. Dietrich, 13 Karl Dietrich-Strasse, Helfenberg, Nr. Dresden. 535,393.

"EMBRODEX"; for medicinal chemicals (3). By W. J. Bush & Co., Ltd., 28 Ash Grove, Hackney, London, E.8. 535,203.

"CAFFEDRA"; for medicinal chemicals (3). By H. B. McMinn, 17 Main Street, Wishaw. 535,242.

"CAMELIA"; for sanitary towel belts (11). By St. Andrew Mills, Ltd., 34 St. Andrew Road, Walthamstow, E.17. 535,097. (Associated.)

"NORMALOGEN"; for dentifrices (48). By Anne Davidson, 3 St. John's Road, Quetta, India. 535,585.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Poisoning Statistics

SIR,—Your admirably tabulated epitome of poisonings during the year 1931 will be read with interest by all pharmacists. One outstanding feature must give pause to every reader: I refer to the enormous preponderance of lysol poisonings over all other means of suicide, as well as (so far as concerns lysol) of suicides over accidents. Is there not a problem here worth considering, worth trying to solve? Need we say: "Oh well, take away the opportunity for buying lysol and the would-be suicide will get some other poison somehow, or else he'll hang, shoot or drown himself if he doesn't jump out of a window"? This I take to be fallacious reasoning. Opportunity makes the suicide as well as the thief. Is it too much to hope that chemists may have the monopoly of the sale of this favourite instrument of the suicide? I am pessimistic enough to fear it is. But there is another alternative. Why not make it less accessible by means of a special tax? After all, we make whisky and brandy artificially expensive—I write just before Christmas—for a dual purpose: to provide revenue certainly, but also to make it difficult of access in the interests of moderate alcoholic indulgence. If lysol continues to be misused, an Excise duty may become a duty in another sense. The price of lysol is most certainly too low, nor would the public feel the pinch of even 100 per cent. rise in retail value. Apart from this plan I see no way of depopularising its misuse.

Yours faithfully,

O. (19/12).

Where Chemists Lag

SIR,—“Common Sense” (*C. & D.*, December 10, p. 721) points out that while doctors, dentists and opticians charge on a professional basis, chemists alone do not attempt to get a proper remuneration for their work. And a more disturbing thought is that while the public pay these other professions the fees charged, they are not prepared to allow the chemist anything for his time or skill, but expect to give the lowest possible rates for the goods supplied. Another aspect of the public mentality in this matter is that they will purchase simple drugs under a brand name and will pay cheerfully about three times the nominal value, but if the chemist introduces the same product with his own name on the label at a commercial price they will refuse it as being too dear. To whom can the blame for this attitude be attributed? One cannot expect the public to understand why one chemist should charge 2s. 6d. for a mixture which another had dispensed previously for 1s. 6d. Therefore in view of the growing appreciation amongst pharmacists of the absurdity of having different prices for the same prescription at each shop, and the difficult state of business at the present time, it is a favourable moment to make a strong endeavour to adopt a definite scale of charges all over the country, so that wherever a customer took his prescription to be dispensed he would pay the same price. The adoption of such a scheme would mean that the first dispenser would mark the script with the coded price, and that every subsequent one would loyally adhere to it. I regret to say that such marking would in some districts be merely ensuring that somebody else would deliberately charge a lower figure. Is it possible in any way to bring these cutters into line, and to a sense of their responsibilities to their fellow pharmacists? They are worse cutters than the man who charges a penny or so below the protected price of a proprietary line. Another point which should be settled is that of charging a fee for dispensing household recipes and formulas taken from books and papers.—Faithfully yours,

B. LOYAL (19/12).

Sentiment in Business

SIR,—There are some people who hold the view that there should be no sentiment in business; but in this connection “sentiment” is synonymous with “service,” and surely service is vital to business? This has been forcibly argued by the writer of “The Cheap Market” (*C. & D.*, December 17, p. 733). Other advantages than those enumerated by “Manufacturer” offered by the wholesaler to regular customers are genuine advice regarding probable price changes, readiness to relieve holders of dead stock, advice and rock-bottom quotations against contracts, and extended credit in times of depression. Many wholesale houses at the present time are showing wonderful consideration to their customers, who in turn are called upon to exercise a like sentiment with their retail customers. The wholesale house which retains sentiment in its dealings with customers who have supported it well in more prosperous times will surely “reap where it has sown” when better times return. Sentiment permeates British pharmacy through and through, and long may it do so! I venture to state that no meticulous business systems will ever displace it. Broadly speaking, I do not think the average chemist and druggist will ever transfer his custom from his favourite house, which has been instrumental in numerous ways in enabling him to build up his business.

Yours truly,

COMMON SENSE (20/12).

British Goods in France

SIR,—The letter headed “Caution” by Messrs. Howards in your last week's issue seems to have caused a certain amount of indignation amongst the Parisian chemists, most particularly those who are endeavouring to do business with England in spite of the high tariff walls up against British goods. Many of these pharmacies are either owned, controlled or managed by British chemists holding French diplomas. I feel, as many of my *confrères* feel, that England does not look farther afield than her coast-line for business, and that Messrs. Howards had certainly overlooked the fact that the *C. & D.* is as keenly read in France as in England, and that any adverse reference to credit in France (or elsewhere) is not going to be a profitable investment for them. I would suggest that instead of English firms putting their backs up against France in this manner, they did something more intelligent and commercial, and sent their directors or representatives over here (as the German, American, Swiss and Italian firms do) to see and to study for themselves conditions, credit and business opportunities for their particular lines. A reference has already been made in these columns in October 1931 [*C. & D.*, 1931, II, 494], and I can only endorse my statement “Wake up, England!” In the British and foreign department which I control the only English bicarbonate of soda, Epsom salts and Glauber's salt on sale are those bearing the mark “Howards,” which we obtain from our London wholesaler. Will Mr. G. E. Howard accept this as an invitation to visit Paris? I hope to be able to show him personally some of France's most important pharmacies, which rank amongst the largest in Europe, and whose commercial organisation and renowned specialities are reputed throughout the world. These firms have, and have had for years, the soundest of business and financial references. Any day and any time of the year the tourist will find the chemist shops here devoting a portion of their window space to British goods. I am still patiently waiting to read a letter in these columns under the title of “An Appreciation of Parisian Pharmacies Displaying British Goods.”

Yours very sincerely,

G. R. TOOGOOD.

15 rue de Rome, Paris.

Legal Queries

E. M. (20/10).—Since fumigating candles are intended to be burnt and the fumes inhaled, they are not liable to medicine-stamp duty, as the article itself is not used or applied externally or internally. In the case of fumigating candles it is not the article itself that is applied or used, but the products of combustion.

H. R. E. (2/11).—Is it possible to obtain a list of the creditors in a bankruptcy, and, if so, to whom should application for it be made? [The debtor is bound to include in his statement of affairs a complete list of his creditors, with the amounts of their claims, and copies of this list can be obtained by creditors from the trustee in the bankruptcy upon payment of a charge of 3d. per folio of seventy-two words. No one but a creditor can demand a copy of the list.]

F. C. C. (18/10) is the assignee of a lease that will expire in September 1936. He sends us a copy of an agreement that has been signed by his landlord in which his landlord expresses his willingness to renew the lease for a further term of seven or fourteen years. Would this option remain binding should the landlord die before the end of the present lease? [In our view, the agreement to grant an extension of the lease would not be binding upon the landlord's representatives after his death or upon a purchaser should he dispose of the property during his lifetime. Indeed, we doubt very much, whether the agreement, in its present form, is binding even upon the landlord himself. The grant of the option for the renewal of the lease should be by deed, and we advise "F. C. C." to consult a solicitor.]

A. P. (29/10).—We assume that the business has been assigned to a trustee appointed by creditors. The proprietor of the business contracts with the Insurance Committee and must carry on the business in accordance with the Pharmacy Acts. Presumably he did this before the business was assigned and must continue to do so after that event. The Insurance Committee are not concerned with the trustee, but with the contractor. They will wish to see the deed of assignment before paying the moneys due to the contractor to the trustee in order to satisfy themselves that the trustee is duly authorised to give the Committee a proper discharge for these moneys. The trustee is responsible for collecting the cash, not for the conduct of the business. The trustee is not responsible to the Committee but to the creditors who have elected him. He is generally an accountant. It is difficult to see on what grounds the Insurance Committee can require a trustee to be a qualified chemist.

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Dr. Withering

The paragraph in your editorial article of November 12 (p. 585), referring to "the more famous Dr. Withering, F.R.S., of Birmingham," in association with Fowler's solution of arsenic reminds me of the part which this distinguished physician played more than a century ago in respect to the pharmacy and therapeutics of digitalis. Withering was a renowned botanist, and his botanical work is of special interest to pharmacists.—*Antiquus* (15/11).

The Early Life of a Cabinet Minister

With reference to a quotation in THE CHEMIST AND DRUGGIST of October 29 (p. 515), Mr. J. H. Thomas was employed by J. Phillips & Son, pharmaceutical chemists, Commercial Street, Newport, Mon., during my apprenticeship to Mr. James Wilson Phillips, in 1890-94. I well remember Mr. Thomas as a lad of about fifteen during the first and second years of my apprenticeship.—*T. H. J. Jenkins*, 145 Lower Richmond Road, Putney, S.W.15.

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

U. D. (26/38).—SMELLING SALTS.—The following formulas, among others, are given in the tenth edition of "Pharmaceutical Formulas":—

Volatile Essences for Smelling Salts

I		II	
Camphor	.. 3ss.	Ol. rosæ virgin.	.. 3ij.
Ess. moschi.	.. 3ss.	Ol. lavand.	.. 3iss.
Ol. limonis	.. 3xxx.	Ol. bergamot.	.. 3iss.
Ol. lavand.	.. 3j.	Ol. cinnamon. ver.	.. 3ss.
Ol. bergamot.	.. 3ij.	Ol. caryoph.	.. 3ss.
Ol. caryoph.	.. 3xxx.	Ess. moschi.	.. 3j.
Liq. ammon. fort.	.. 3viii.	Spt. rect.	.. 3iv.
		Liq. ammon. alcohol.	3x.
III		IV	
Ol. lavandula	.. 3j.	Ol. lavand.	.. 3j.
Ol. rosmarini	.. 3j.	Ol. bergam.	.. 3xl.
Ol. bergamotte	.. 3j.	Ol. rosmar.	.. 3xv.
Ol. caryophylli	.. 3ss.	Liq. ammon. fort.	.. 3ij.
Ol. cinnamomi	.. 3ss.		
Liq. ammon. fort.	.. 3xij.		

The solid matter in the bottles is usually either ammonium carbonate or fused potassium nitrate.

B. C. (22/38).—LIPSTICKS.—There are two types of lipstick: (1) Those intended for use as emollients for the lips only; and (2) those primarily intended to heighten their colour. The former, which are generally made rather soft, are either left uncoloured or tinted pink with alkannin. Lipsticks of the latter type may be prepared with a fat base consisting entirely of mineral waxes. Either of the following formulas may be used:—

A		B	
White soft paraffin	60	White soft paraffin	62
Ceresine	30	Ceresine	31
Carmine	10	Carmine	5
		Eosine	2

The sticks may be scented by the addition of about $\frac{1}{2}$ per cent. of coumarin or other suitable perfume material. It will be noted that the formula for lipstick B contains eosine. This yields a brighter colour than does carmine alone. Moreover, this lipstick possesses the advantage of being proof against kissing, a desideratum of some importance. The lips should be slightly moistened before it is applied.

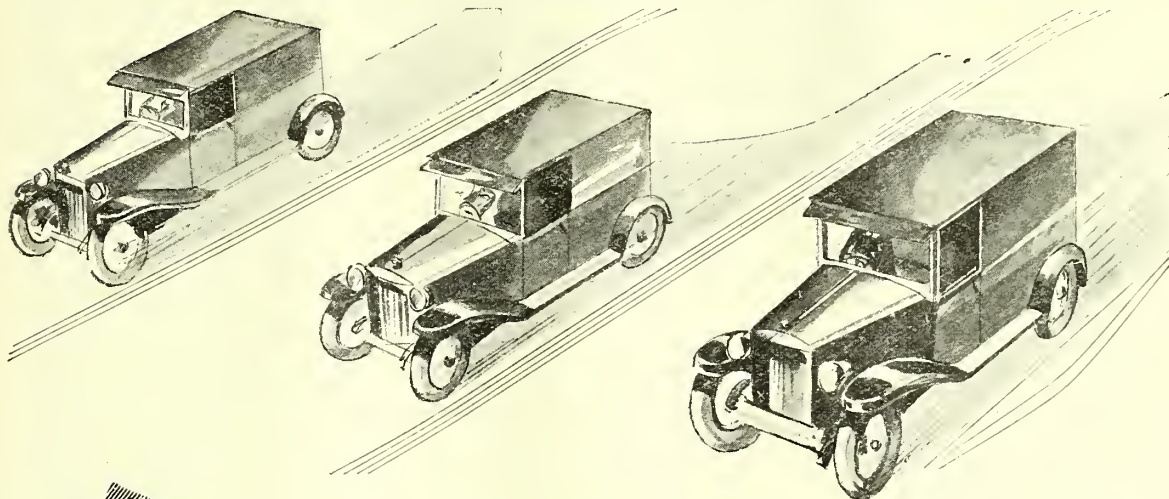
Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," December 15, 1882

Commercial Travellers in the United States

The Wholesale Drug Association of the United States met at Cleveland, Ohio, in November, and discussed the subjects which trouble them. . . . We take a few extracts from the report of the Committee on Commercial Travellers, presented by Mr. Robert Browning. He . . . estimates that there are within the Union no less than 200,000, costing their employers on an average \$3,000 (say £600) each per annum, amounting in the aggregate to an annual expense of £120,000,000 sterling. Whilst some may regard the system (says Mr. Browning) as a necessary and expensive evil which they would most cheerfully dispense with if possible, the question is, How can it be done? . . . A general conclusion is arrived at by the Committee that the excessive number of commercial travellers is becoming so heavy a tax on the business of the country that unless some limit is put to it it will go down of its own weight.



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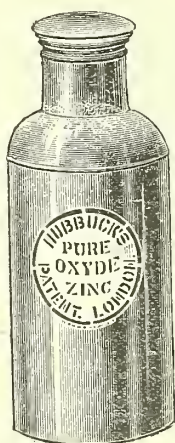
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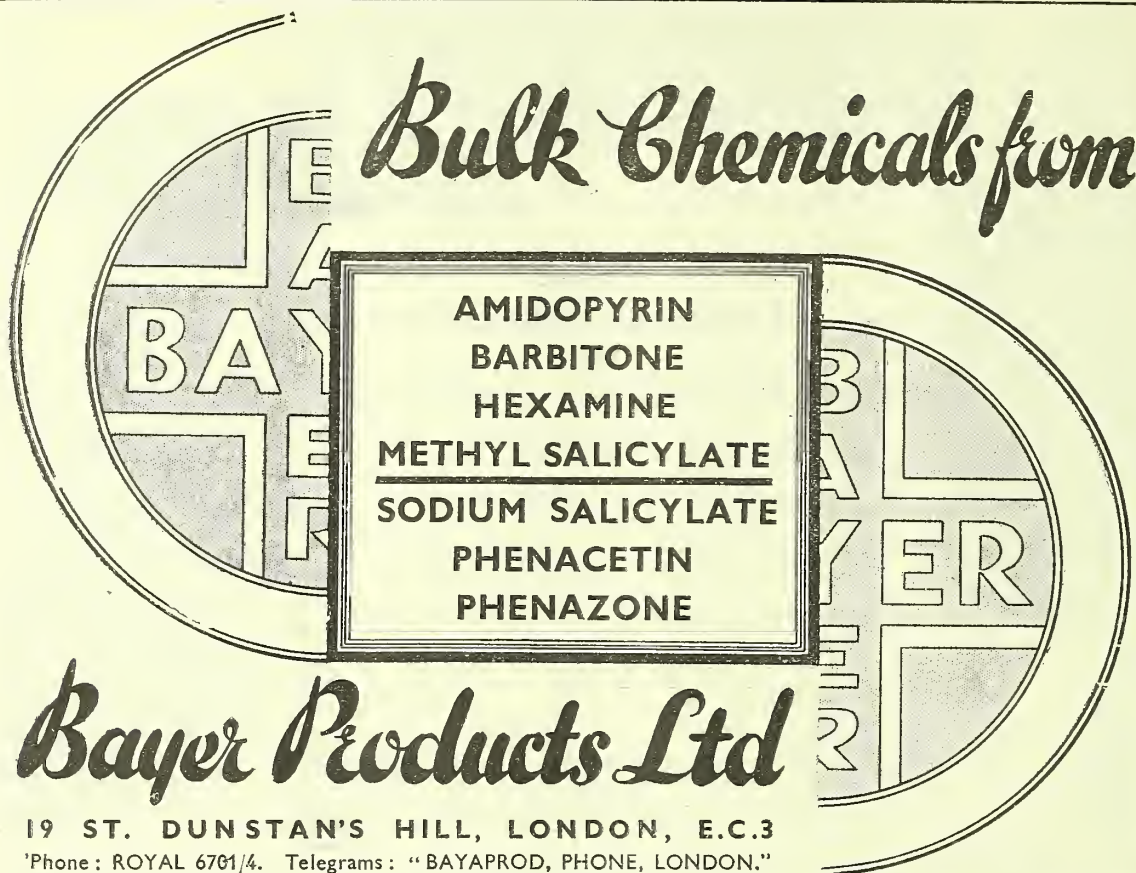
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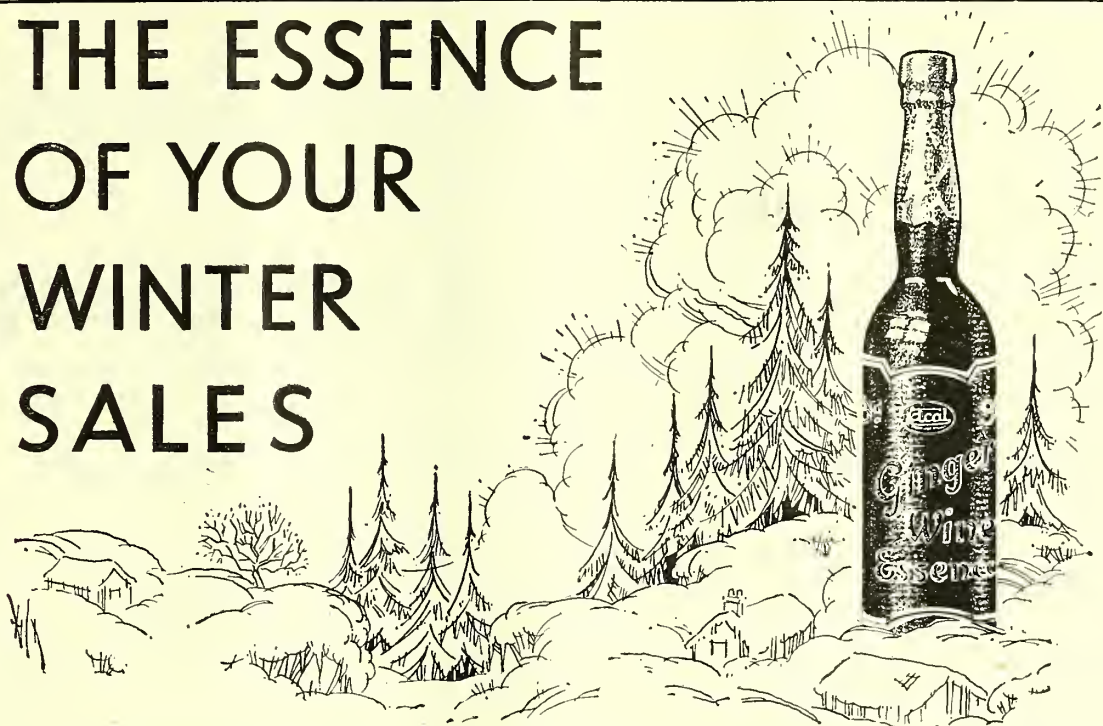
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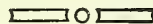
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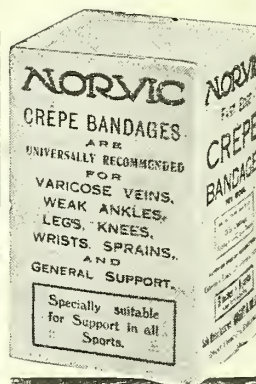
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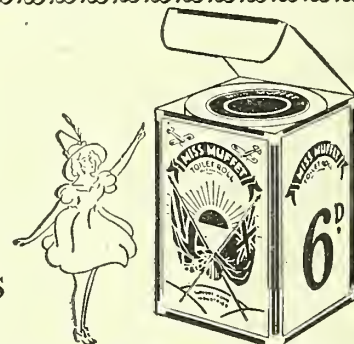
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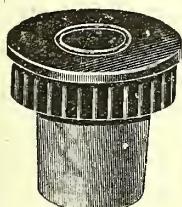
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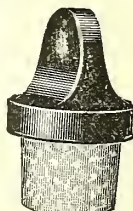
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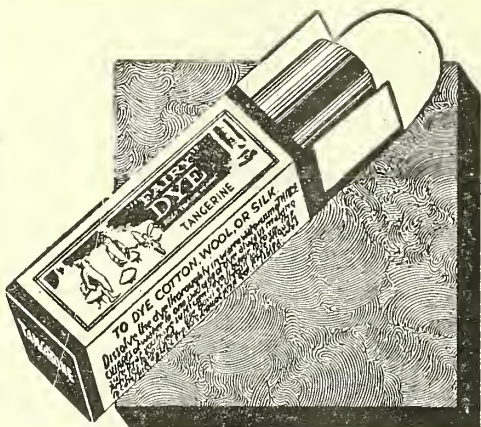
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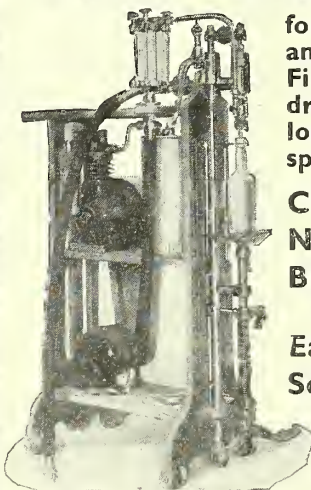
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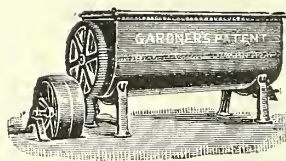
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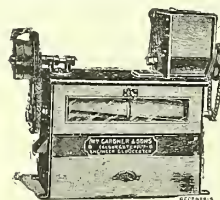
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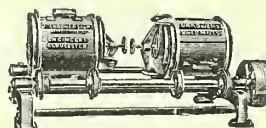
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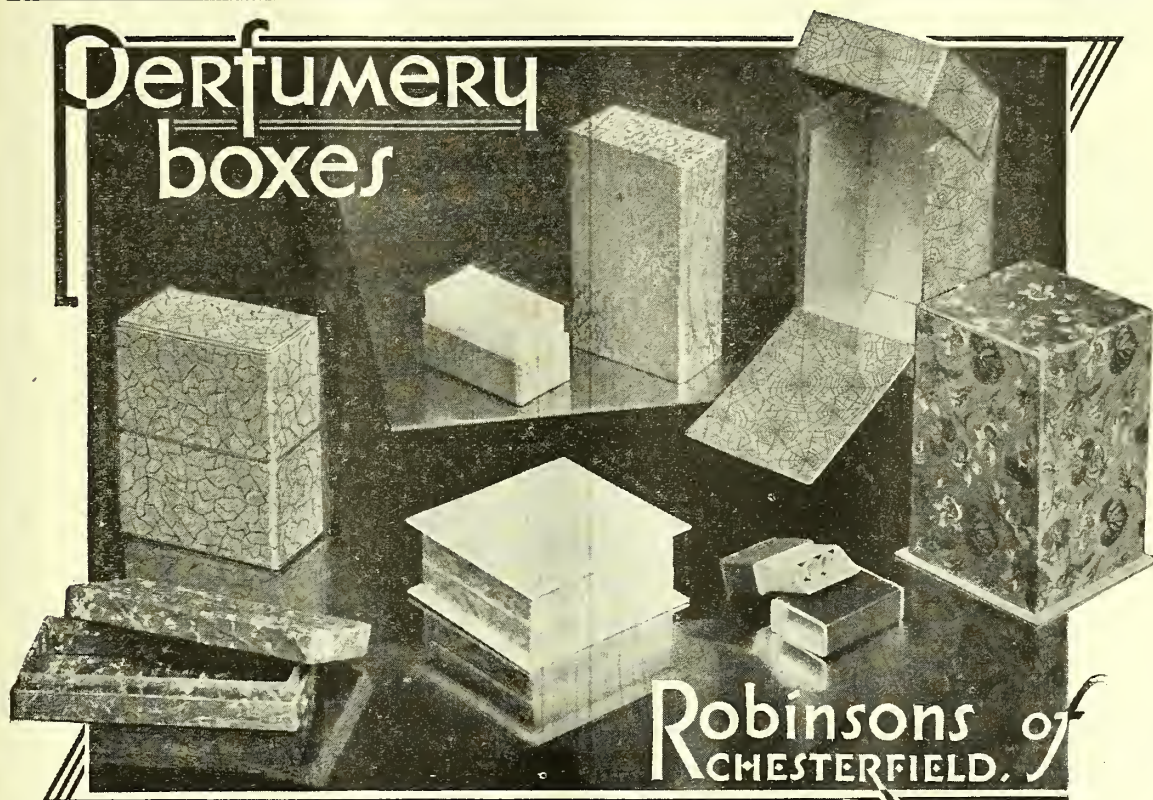
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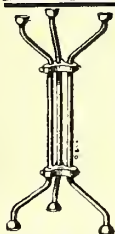
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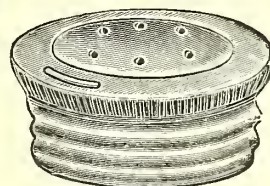
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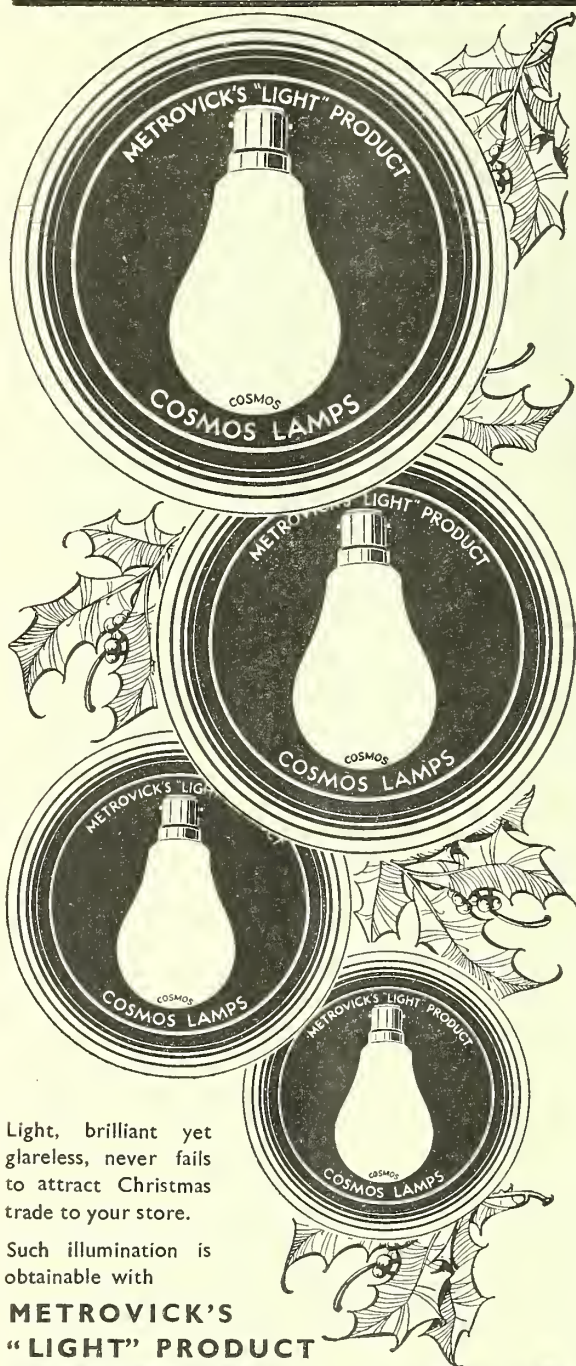
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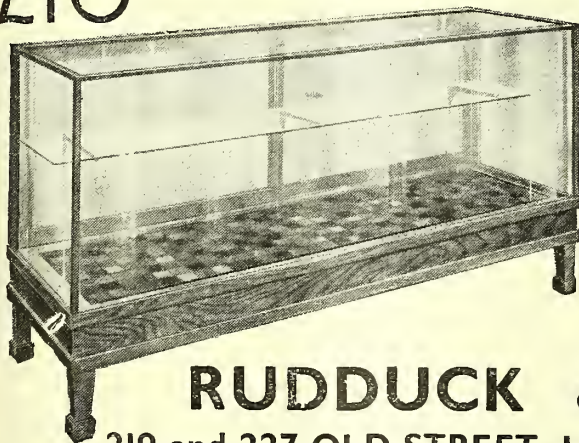
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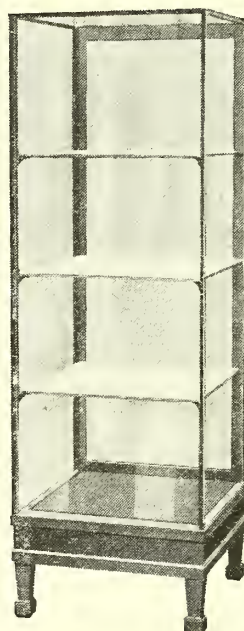
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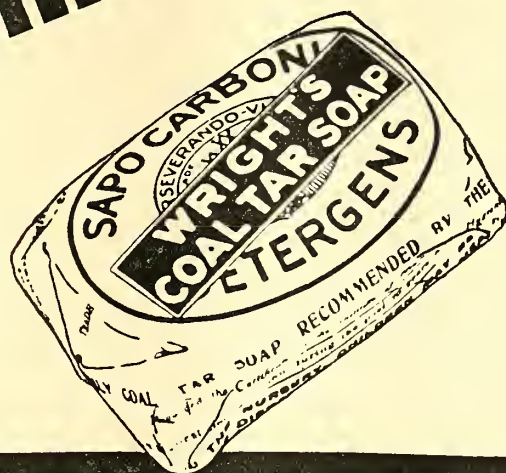
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KENT COAST.—Exceptional chance, well-established, good-class Family, Retail and Dispensing Business; no immediate opposition; returns £1,750; rent £100; sub-let £104; good lease; attractive well-fitted pharmacy, fully stocked; will accept £1,000, or bare valuation of stock and fixtures for quick sale. Apply "Urgent," 214/658, Office of this Paper.

KENT.—Old-established Pharmacy Business, Optical connection, sold in consequence of death of proprietor; main business thoroughfare, close to bus stop and public car park; good dwelling accommodation; average takings last three years £3,496; full investigation; freehold, £3,000; goodwill, fixtures and fittings, £1,000; stock at valuation, approx. £1,000; sound concern. Lee & Son, Business Agents, Ashford, Kent. Tel. 88.

LIVERPOOL.—Drug Store, main road, thickly populated neighbourhood; an opportunity for a qualified man who will do N.H.I. Dispensing; value of stock and fixtures only required. 340/27, Office of this Paper.

MANCHESTER.—I am instructed by the liquidator to offer for quick sale an excellent old-established Chemist's Business, situate shopping centre densely populated good working-class district; smart double-fronted shop; returns rather low at present, but capable of great expansion under live man; the business is offered as a going concern at valuation of stock and fixtures; the valuable property is also offered at a further fixed price of £650. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Tel.: Failsforth 1913.)

MANCHESTER Pharmacy on very busy main road; working-class neighbourhood; open 12 months; nicely fitted; present takings £17 per week; 230 scripts per month; under elderly management; exceptional opportunities for big increases in both under personal care; near six doctors; stock and fixtures value £400; accept reasonable offer quick sale. 214/657, Office of this Paper.

MIDLANDS.—Important Chemist's Business for disposal on executors' instructions; prominent position; large shop; old established; returns £2,250; has done and can do considerably more; long lease at rental of £100 per annum; should be of considerable interest to multiple concerns; price £1,700. Fuller details will be furnished by accountants on receipt of references. 340/34, Office of this Paper.

HAIRDRESSERS' Sundriesmen (Manufacturers), going concern; good connection, for Sale; stock, book debts, etc.; reasonable offer entertained. R. B. Moyse, Chartered Accountant, Receiver, 20 Essex Street, Strand. Tem. Bar 5319.

BUSINESSES WANTED.

PHARMACIST with capital up to £3,000 is open to negotiate immediately for the purchase of a Business in any part of England; the business must be producing at least £500 per annum net profit, and provided the type, etc., is suitable, an early transaction can be arranged. Owners of businesses on these lines, who are prepared to consider a quick sale, are invited to communicate privately, and in strict confidence, with Ernest J. George, Sentinel House, Southampton Row, London, W.C.1. Direct introductions will be effected if desired.

S. F. CLARK, F.N.A.A. Prospect 3366 CHEMISTS' VALUER & TRANSFER AGENT

34 Marksbury Avenue, Richmond, Surrey
VALUATIONS for sale, purchase and probate purposes personally conducted in all parts of the British Isles, upon lowest terms.
STOCKTAKING for Income Tax purposes a speciality.
BUSINESSES (London and provincial) to suit all buyers.

All communications receive prompt attention.

AGENCIES.

IMPORTANT and well-known Pharmaceutical Factory seeks connections with Wholesale Houses in India, Canada and British Colonies. Write 214/660, Office of this Paper.

WANTED, extra good well-known lines on commission; none other need apply. 340/26, Office of this Paper.

BUSINESS OPPORTUNITIES.

ENTERPRISING Optician wishes to rent portion of Chemist's Shop offering suitable accommodation within 15 miles of Marble Arch. Apply P.C.B. 59/2, Office of this Paper.

PREMISES FOR SALE.

CHEMISTS, Druggists, etc., seeking new premises: Splendid opportunity occurs in shopping parade on new estate of 2,000 houses; one shop only left; no opposition; ample living accommodation; £1,350, freehold. Particulars from D. Salmon, Estate Office, Hampden Hill Parade, Romford. 'Phone 1465/1496.

ONE of two only Shops with house attached in Wavertree, Liverpool; unique position; well surrounded by artisan class houses, and suitable for Chemist; some considerable distance from any opposition. Apply 340/37, Office of this Paper.

PREMISES TO LET.

SHOP suitable for Chemist's, good position, Upper High Street, Guildford, to Let. Write 339/19, Office of this Paper.

APARTMENTS.

WHEN YOU COME TO LONDON STAY AT THE HAMPDEN RESIDENTIAL CLUB.

FOR gentlemen. Hampden Street, N.W.1. Close to King's Cross and Euston. 300 bedrooms. 12s. 6d. to 25s. per week, including baths, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Museum 5424.

SITUATIONS OPEN.

RETAIL (HOME).

LONDON, S.W.—Smart Junior Assistant required immediately; West-End experience essential. Apply, giving full particulars (but no photos, references, nor stamped addressed envelopes), to 214/655, Office of this Paper.

ENERGETIC Manager, young, qualified, good Salesman and Window-dresser, accustomed high-class Photographic and Toilet business; progressive, permanent post for suitable man; undeniable references necessary. State experience, age, height, salary, and enclose photograph. 340/6, Office of this Paper.

EXPERIENCED lady Saleswoman wanted for Drugs and Perfumery; age 25 to 30. Apply, stating age, experience, and salary required, to Staff Manager, Welwyn Stores (1929), Ltd., Welwyn Garden City, Herts.

MANAGER and Buyer for Drugs, Dispensing and Photographic Department; qualified man used to Retail trade. Apply, with full particulars, experience, age, salary required, and recent photo, Manager, Jarrold & Sons, Ltd., London Street, Norwich.

PART-TIME qualified Chemist, either sex. Call 306 West Green Road, Tottenham, N.15.

WANTED, early in January, for new branch in North London, young, qualified man, used to Panel and Counter, in working-class trade; must be well recommended and thoroughly reliable Dispenser, of good address and pleasant disposition. References and salary required to "X. Y. Z.," 340/4, Office of this Paper.

CLEAR OUT—your Old or Damaged Stock of Photo Goods
Why keep them any longer? Turn them into CASH.
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
S. E. HACKETT, 23 July Road, Liverpool

WANTED, young lady, qualified, for branch shop; duties light. Usual particulars, salary, etc. 340/12, Office of this Paper.

WANTED, Junior Assistant, tall, well spoken, having served apprenticeship in good-class pharmacy. State salary required and age and when free. Gamble & Co., 4 Edwards Terrace, Kensington, London, W.

WANTED, by middle of January, capable qualified Branch Manager, lady or gentleman, age 27-30; must be reliable and have good references. Send full particulars, salary expected, etc., together with photo (if possible), in first instance. C. A. Moore, M.P.S., 12 Beehive Parade, Eastern Avenue, Ilford, Essex.

WHOLESALE.

KEEN and energetic Salesmen required with a definite connection in the Retail Chemist trade to carry an additional line paying high commission. Call 9.30 to 12.30, December 29 and 30, 98 High Road, Streatham, S.W.16.

LABORATORY Assistant (temporary) required by a London firm of Wholesale Druggists, able to manufacture Mixtures, Ointments, etc., and take control if necessary. State experience, age and wages expected. P.C.B. 58/39, Office of this Paper.

TOILET PREPARATIONS.—Good Working Forewoman, with sound experience, capable of taking entire charge of staff of packers and labellers; first-class references essential; age about 30 to 40; married woman preferred. Apply, by letter only, with full particulars of experience, age, wages, etc., 214/656, Office of this Paper.

WANTED, JANUARY 1, 1933.—Manufacturers of high-class Medical Proprietarys require several Representatives to call upon Doctors, Chemists, Dentists, Veterinary Surgeons, Hospitals and Institutions on commission basis and part expenses; staunch support guaranteed and permanent salaried positions assured to successful salesmen after preliminary trial. State fully sales record, territory covered, firms represented, and age. 213/640, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN.

EXPERT

WANTED by Chemico-Pharmaceutical Works to travel abroad (South America, Far East). Persons and firms interested in this scheme write "Collective," 214/659, Office of this Paper.

SITUATIONS WANTED.

RETAIL (HOME).

A.A.A.A.A.—FIRST - CLASS Pharmacist desires 4 years' experience; undeniable references; honest; hard working; disengaged. Hatfield, 25 Queen Street, Leigh, Lancs.

A.A.A.—QUALIFIED; 27; excellent experience in West End and suburbs; Photographic, etc. 3 St. James' Mansions, N.W.6.

A.A.—QUALIFIED; 34; Assistant or Manager; experienced all branches. "Chemist," 50 Grove Lane, Camberwell, S.E.5. 'Phone: Rodney 2719.

A CAPABLE all-round Assistant desires permanency in good-class pharmacy; first-class experience and references. "M. J.," 44 Slad Road, Stroud, Glos.

BRIGHTON OR NEAR.—Lady Dispenser desires post (Hall); good all-round experience; excellent references. 8 Prestonville Road, Brighton.

BRISTOL.—Part-time work wanted, Dispensing, Stock; unqualified; highest references. Lamprey, 2 St. George's Place, Bath. Tel. 3765.

EVENTINGS, 7-11 p.m.; unqualified; male; 7 years Dispensing; good all-round experience, including Spa town; interview any evening. W. C. Grove, 42 Ponsonby Place, Millbank, S.W.1.

FRENCH- and Italian-speaking Assistant, 33, with Continental experience, desires part- or whole-time position. P.C.B. 59/3, Office of this Paper.

IF you want reliable Locum immediately, middle-age, London and provincial experience, active, wire Howell, 20 Working Street, Cardiff.

LADY Dispenser (Hall) requires post with Doctor or Institution; whole or part time; good references. Davage, Rolleston, Nottingham.

MR. J. S. LOWE, Chemist, Kinross, recommends his qualified Assistant to anyone requiring a trustworthy man with excellent Dispensing and Counter experience; age 23.

M.P.S., 23, Square trained, desires position; excellent experience and references; London and provinces. "Chemist," 17 Westbury Avenue, Wembley.

NEW YEAR'S RESOLUTION.—Employ an experienced trustworthy qualified for relief or permanency. 340/33, Office of this Paper.

QUALIFIED as Manager; middle-aged; moderate salary; total abstainer; Birmingham preferred; excellent references. 340/32, Office of this Paper.

QUALIFIED, 38, seeks responsible position; London preferred; Locum or permanency; West-End, City and suburban experience; disengaged. P.C.B. 59/9, Office of this Paper.

SATURDAYS ONLY.—Work considered by young man attending College for Final; Dispensing preferred; Birmingham district only. Apply 339/36, Office of this Paper.

WHOLESALE.

GENTLEMAN, with Pharmaceutical qualification, on the Board of a firm of Manufacturing Chemists, is desirous of joining a progressive firm in the New Year; position held for 12 years. 340/30, Office of this Paper.

SALES Directorates, contemplating staff re-organisation or addition to present staffs, are offered the services of a Pharmaceutically trained Representative with exceptionally unique credentials and experience; capable of representing a reputable house with dignity and efficiency, and bringing a connection of 12 years' standing in London and Home Counties. 339/10, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN.

GENTLEMAN will undertake the representation of a reliable firm (or firms) of Chemical Manufacturers in Northern and Southern Rhodesia and Nyasaland, or other African territories if desired. 341/11, Office of this Paper.

MISCELLANEOUS.

A FINE PHARMACY can now be fitted complete ready for opening from £95 upwards. Old-time shops modernised and brought up to date at lowest prices. Many recent testimonials. Designs, advice and prices free from PHILIP JOSEPHS & SONS, LTD., Pharmacy Fitters for 107 years, 90/92 St. John Street, Clerkenwell, London, E.C.

ATTRACTIVE BARGAINS in reconditioned Second-hand Chemist Fittings, various sizes and styles, sold singly or in sets. Visit our Showrooms or write your particulars. RUDDUCK & CO., 219/227 Old Street, London, E.C.1.

CHEMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass Fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate-glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., ready for immediate delivery at competitive prices. Write or call for List. F. MAUND & E. BERG (SHOWCASES), LTD., 175/9 and 336 Old Street, London, E.C.1.

CHEMISTS' Fittings, direct from manufacturer; soundly constructed in oak and mahogany; 8 ft. Drug Run, £18; 6 ft. Dispensing Screen, £14; 6 ft. Showcase Fronted Counter, £8 5s.; 6 ft. Wall Case, £11; 6 ft. Glass Counter, £8 15s.; Counter Case, 30 x 24 x 18, £2 5s., etc. Send now for photographs, or call and inspect. MYERS, Complete Chemist Fitters, 134a Kingsland Road, E.2, near Shoreditch Church. Bishopsgate 2524.

MAHOGANY FITTINGS.—12 ft. complete Drug Fitting, 9 ft. Wall Case, 10 ft. Wall Case, 10 ft. Serving Counter, glass case front; 6 ft. Mirror centre Dispensing Screen; 5 ft. all-glass Counter; all-glass Salesman, 5 ft. 10 in. high, 2 ft. x 23 in., 3 glass shelves; Wall Case, 7 ft. high, 4 ft. 6 in. wide, 12 in. deep, 4 wood shelves; two 4 ft. nest Counter Drawers. All bargains. Over 40 years' experience. GEORGE COOK, The Working Shopfitter, 27 Macclesfield Street, City Road, E.C.1. 'Phone: Clerkenwell 5371.

£?—COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our showroom a Complete Chemist Shop with Metal Shop Front, Window Backs, Correct Window Lighting Signs and Modern Interior Fittings. Apply for Lists. D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and 16 Manchester Street, Liverpool. Est. 1848.